



The CHEMIST AND DRUGGIST

for RETAILER - WHOLESALE - MANUFACTURER

Established 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

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DECEMBER 19, 1942

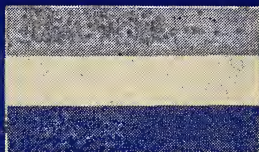
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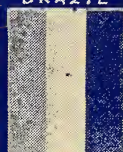
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NORWAY



BRAZIL



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POLAND

BURGOYNE BURBIDGES

Established 1741 & COMPANY LIMITED. LONDON. E.6

Since our last Xmas message . . . the
emblems of savagery have shown signs of disintegrating
May our next Greeting be one of United Rejoicing

EUTHYMOL

and the Pharmacist



Chemists perform a vital National service. They comprise a highly important part of the machinery for maintaining the nation's health: the medical profession unhesitatingly relies upon them to dispense prescriptions accurately. They are authorities on toilet preparations as well as drugs, and their opinion is always worth attention. For over forty years they have been recommending

Euthymol
TOOTH PASTE

The letters M.P.S. stand for "Member of the Pharmaceutical Society" and signify at the holder is a registered, qualified chemist. The important place occupied by the pharmacist in maintaining the health of the community is his to do his duty. Your pharmacist is a highly organized and efficient member of the community.

Advertisements such as these are now appearing in well-known periodicals. It is believed that they will prove helpful in stimulating a wider appreciation of the services that pharmacists are rendering to the community

Parke, Davis & Co.
50 Beak St. W. 1.

Milton' Bulletin No. 9

THE LAST OF THE SHOWCARDS

KEEP FOR SALVAGE LATER. Under the Control of Paper (No. 48 Order, 1942), the production of showcards is forbidden. This automatically increases the value of existing display material, and we urge all chemists to take care of 'Milton' showcards for future use.

Do **not** send showcards for salvage now. Make use of them as long as possible. They will be just as valuable for salvage later on, when they have become obsolete or worn out.

SHOWCARDS AVAILABLE. We have sufficient stocks to supply each chemist ordering with two striking 'Milton' bottle reproductions for window use now that 'Milton' should not be shown in windows owing to the absence of cartons. Write "Showcards Required" on your order to secure them and keep them carefully. **They cannot be replaced.**



Send for this attractive showcard, which is available for Milton Antiseptic. Others are available in limited quantities for Milton Denture Powder, Milton Dental Cream, and Milton Ointment.

MILTON' PRODUCTS. The position with regard to supplies of 'Milton' products is as follows:—

MILTON ANTISEPTIC. The 1s. 4d. and 3s. 4d. sizes have been discontinued, leaving only the 8d. and 1s. 11½d.

MILTON OINTMENT. The 7d. size has been discontinued, leaving only the 1s. 1½d.

MILTON DENTURE POWDER.* The 7½d. size has been discontinued, leaving only the 1s. 3d. and 2s. 2d.

MILTON DENTAL CREAM. The 7½d. size has been discontinued, leaving only the 1s. 2d.

* Subject to rationing.

Milton Antiseptic Ltd., Chapel Lane, Sands, High Wycombe, Bucks

By Request of the Ministries

Chemists who see the *British Medical Journal*, *The Times*, *Daily Telegraph*, *Observer*, *Sunday Times* or the more important provincial newspapers may have noticed the Ribena 'Announcement to Doctors' appearing therein.

Notwithstanding the great increase in our deliveries to chemists, as recently promised, it is still the wish of the Ministries of Health and Food that Ribena should be reserved for children, invalids and medical prescriptions.

Chemists are in a unique position, through their local knowledge, to give effect to the Ministries' desire and we feel sure they will do so.

In the interest of Transport economy, please order from your nearest wholesaler if you do not already buy direct from us.

Controlled retail price — 2/1d. per bottle (approximately 13½ ounces).

Ribena
BLACKCURRANT SYRUP

A rich source of Vitamin C

Carters are also officially appointed manufacturers of
NATIONAL ROSE HIP SYRUP

H. W. Carter & Co., Ltd., The Old Refinery, Bristol, 2

Established over 100 years



Crookes' Collosol Calcium c Vit. D

Calcium is of paramount importance for use in the treatment of dental caries, erythromelalgia, tetany, malnutrition, chronic sepsis, tuberculosis, etc., and has wide application in gynaecology. But equally important with the supply of Calcium is Vitamin D as without it Calcium cannot be absorbed. In the Collosol range Calcium c Vit. D is available for administration orally and subcutaneously.

CROOKES LABORATORIES (British Colloids Ltd.) PARK ROYAL, LONDON, N.W.10

ASK YOUR
CHEMIST...



IN our press advertisements we advise women to ask their chemist for a copy of "Hygiene for Women," by Nurse Drew.

50,000 direct applications prove women are vitally interested in feminine hygiene.

If you have not a good supply of these popular booklets for counter display then you are not getting your share of the ever-growing demand for the various Rendells Products.

Why not write us today for a supply of our latest Chemist Display Aid?

Rendells
PRODUCTS

FOR FEMININE HYGIENE

W.J. RENDELL LTD · HARDWICK HOUSE · 161-5 ROSEBERY AVENUE · LONDON, E.C.1

FOR INSOMNIA

(A Safe, Soluble Hypnotic)

MEDINAL owes its undoubted advantage to ready solubility in water; hence it is easily absorbed and speedily excreted. Thus its effect is prompt, and elimination is complete. Sleep comes easily and the patient awakes fresh and alert. MEDINAL acts solely on the central nervous system and does not affect the cardiovascular, renal, alimentary or respiratory systems. It can therefore be safely used either orally or rectally for insomnia from any cause.

MEDINAL

'Medinal' is the registered name which distinguishes Soluble Barbitone of British Schering manufacture.

BRITISH  SCHERING

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185-190, HIGH HOLBORN, LONDON, W.C.1

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(continued overleaf)

The demand for Serocalcin is greater than ever this year

What about your stock?

Nothing is more annoying to the pharmacist or more disappointing to his customers than to be "out of stock." Like you, we want to avoid this where Serocalcin is concerned, and we are doing our very best to make the distribution as even and fair as possible. If you will co-operate with us in ordering early—now—disappointment can be avoided.

SEROCALCIN PREVENTS COLDS

WOODS LABORATORIES LIMITED

WATFORD, HERTS

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The "NOSHOK" (Rubber Set) Practically Unbreakable
4/9 doz.



The "KRISTAL" in Glass Container
3/3 doz.

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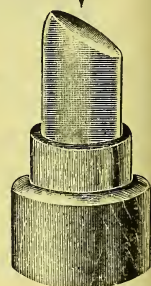
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"FINGERTIP"
(Registered Design)
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Purchase Tax extra

Excellent Prescriptions *for a healthy business!*



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THERMOGENE
PHENSIC

Products in universal demand are a guarantee of good business. A platitude! But it pays to remember a homely truth like this when you see your stocks of Veno, Eno, Thermo-gene or Phensic thinning out. There is neither pleasure nor profit in running short of lines which millions ask for every day. So keep a wary eye on your shelves! Order well ahead. Then you will be sure of a healthy turnover and have the satisfaction of knowing that your goodwill throughout the neighbourhood is maintained.

VENO DRUG CO. LTD.
CHESTER ROAD · MANCHESTER, 16



SPECIALISTS IN THE MANUFACTURE OF
PILLS & TABLETS

Christmas 1942

Kindly Greetings to
all friends in the trade.
May the Coming Year
bring peace to the world.

from



Arthur H. **COX** & Co. Ltd.



COTY

has some good news

DEALERS will by now have received their share of the 20% quota together with a supply of AIR SPUN FACE POWDER and TALC, as promised in our last advertisement.

Here is some more good news. We have now received permission to distribute a further 30% quota. We are busy now preparing this for dispatch. By the time you read this advertisement, much of this extra 30% will be on its way.

We hope that when this allocation has been delivered to the trade, we shall be in the position to distribute a further supply of AIR SPUN FACE POWDER.

We are endeavouring in every way to pass on these concessions to the Trade as quickly as possible. And you can rely on us to do our best.

COTY (ENGLAND) LTD. 41 HIGH STREET, LEIGHTON BUZZARD, BEDS
TELEPHONE: LEIGHTON BUZZARD 2383.



*We can
still supply..*

We can still supply bottles for medicines and for the packing of pharmaceutical products, and other essential bottles, which formed so great a proportion of our business before the war.

Many of our activities are concerned with furnishing the needs of government contracting departments, and we are also endeavouring to fulfil export orders to help to import the essential commodities from abroad, so aiding the war effort.

If, therefore, we are compelled to accept less business than is offered to us, customers will realise that this is in accordance with the policy directed to the best possible furtherance of the national effort.

Beatson, Clark & Co. Ltd.

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ROTHERHAM YORKSHIRE
ESTABLISHED 1751

Dr. Vallé
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The Face Powder that gives a Velvet Touch. Triple sifted, smart 2-oz. box, in Three attractive Shades: Peach, Rachel, Natural.

14/- per dozen plus 66 $\frac{2}{3}$ % Purchase Tax.

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Delicately perfumed. In 6 $\frac{1}{2}$ -oz. containers with sifter top.

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Both lines produced by
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**FRAGRANT TONIC
HAIR CREAM**

"Makes the hair behave"

Prepare your own supplies of this high grade cream, easy to make up, costs less than 2d. per oz. All materials available, also Bottles, Screw Caps, Corks and smart Gold Seal labels. Send stamp for List.

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All the usual wordings, and in attractive designs which combined with
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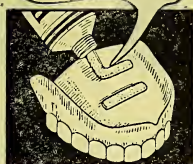
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specially designed labels to:—

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THE NEW SCIENTIFIC DENTURE
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GIVES COMFORT, CONFIDENCE, SECURITY
DENTISTS RECOMMEND IT

Price 7½d. and 1/3

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Announcement!

In accordance with
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Restrictions

SHEPHERD'S SUPERFOAM

(VELFOAM)

TOILET SOFT SOAP
is now only avail-
able in

7lb. CONTAINERS

The Superfoam properties of this
Hair Soap — which has made it
the biggest selling line of its kind
— is fully maintained in the bulk
supplies.

There is no Hair Soap as good as
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pure, and despite war-time diffi-
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addition to giving an abundant
and immediate lather, it contains
a special ingredient which enables
the Soap to be easily rinsed off.

The new retail price is 7½d per
6 oz. Directional labels are sup-
plied for each 6 oz.

Retailers are requested to buy through their
usual Wholesale suppliers.



available in Peach, Naturelle, Suntan,
Lachelle and Brunette. One size only,
6 ozs., retailing at 2/11, including tax.
Now ready for delivery. Please make
correspondence as brief as possible.

LEENARD LEE-NARVILL & CO.
Lee-Narvill Laboratories, Hull





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OF
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We hear a lot about Targets and aims these days . . . War aims, Peace aims, etc., etc., and most of us, forces and public alike, will aim at making this as happy a Christmas as possible under war conditions.



With good reason too, for recent events give promise of the road to Victory becoming a well-defined route during 1943 . . . a new year of unbounded promise.



McClure, Young & Co., Ltd., offer sincere wishes to the trade for a full measure of prosperity and fair trading throughout the coming year and offer their full co-operation as the PREMIER PACKED DRUG HOUSE.



OF COURSE !

McCLURE, YOUNG & CO. LTD.

MANUFACTURING CHEMISTS

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LONDON, W.3**

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INFUSIONS · OINTMENTS · SUPPOSITORIES.
PROPRIETARY AND OWN FORMULA PILLS AND TABLETS

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The VITAMIN
MALT FOOD

With Guaranteed Complement of Vitamins A, B, C & D
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fore we can forward sample range

Makers of **COMPRESSED TABLETS**
for the Manufacturing and Wholesale Trade only

The DALES ASPIRIN COMPANY (H. A. TOLKIEN PROPRIETOR)

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SILSDEN, Nr. KEIGHLEY, Yorks.

Iron requirements of the Human Body



‘Ribothiron’

Iron is an essential for life—a vital element in the formation of hæmoglobin. Physiologically, need for it is greatest during adolescence, through the menarche, and in pregnancy and lactation. Iron deficiency anæmias are most likely to occur during these periods.

Since iron can be utilised only after it has been reduced to

the ferrous state, ‘Ribothiron’ Tablets are especially indicated in restoring and maintaining the iron requirements of the patient.

Each tablet contains ferrous sulphate, 3 grs., together with Vitamin B₁, (thiamine hydrochloride) 0.2 mgr., and Vitamin B₂, (riboflavin) 10 micrograms. These vitamins are particularly helpful, and in many cases of anæmia there is a concomitant deficiency of these Vitamin B factors.

‘Ribothiron’ Tablets are green-coated and are supplied in bottles of 40.

Sharp & Dohme Ltd

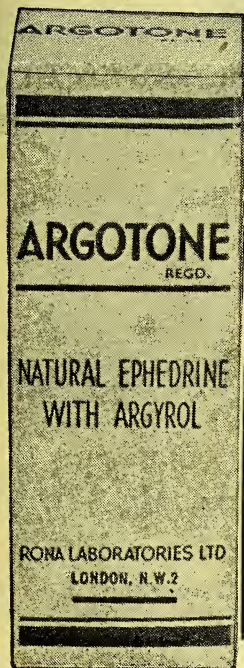
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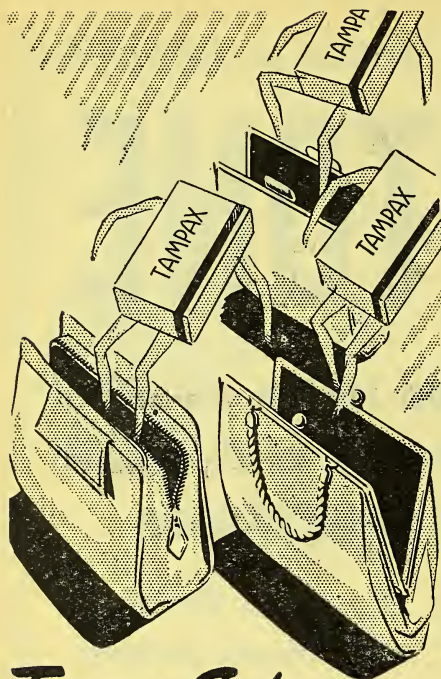
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and their Complications

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Chronic Rhinitis
Catarrh
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ZINC OXIDE and RUBBER ADHESIVE PLAISTER
ON SPOOLS
POROUS PLAISTERS. ELASTIC PLAISTER
BANDAGES
ANTISEPTIC PLAISTER DRESSINGS, "CROCUS"
CORN COMFORT, Etc.

Tampax Sales are more than lively!

Personal recommendations and consistent advertising are bringing new business for Tampax every week. And new Tampax business means two things—both acceptable to the dealer in these days. Every sale starts a steady *repeat* demand. And every customer who comes in for Tampax usually goes out with other purchases as well!

TAMPAX TRADE TERMS (P.A.T.A. PRICES)

Pkts. of 3. Wholesale 5/3 doz. Retail 7d. pkt.
" " 10. " 15/9 " " 1/9 "

Manufactured in England by
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**Sole Distributors: SPLENDOR LTD., 5 Beaufort Hill,
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50 years' service of
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including

Seasonal Greetings

and the Hope that 1943 will bring
Lasting Peace and Good Will to all
from

BROOK, PARKER & CO., LTD.
7-11 ASHFIELD, HORTON ROAD, BRADFORD

GREATER
THAN EVER IS THE
DEMAND *FOR*



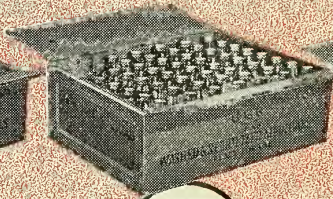
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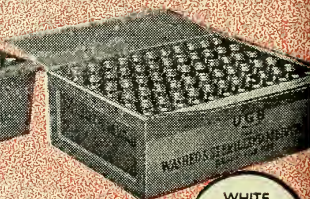
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om 90 to 1,500 tablets per minute!

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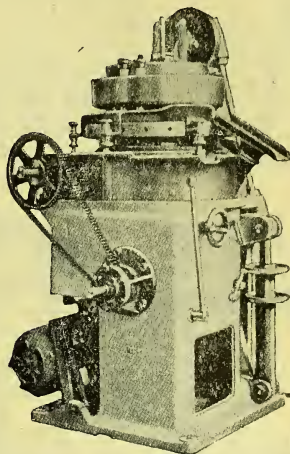
the Hand Tablet Machine and Single Punch
nes at 90 per minute to the fast-running Rotary
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Manesty range of Tablet Machines is the most
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such as the No. 2 and the R.S.I. (illustrated
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shing speed.

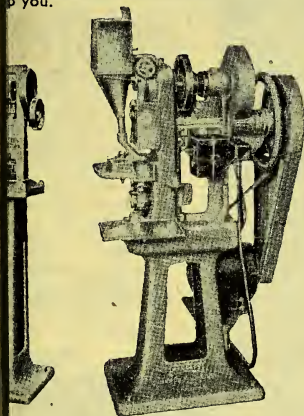
y Tablet Machines are being used all over the world for
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g powders into tablets.

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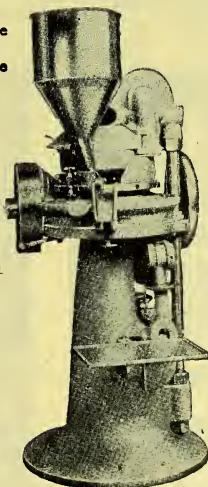
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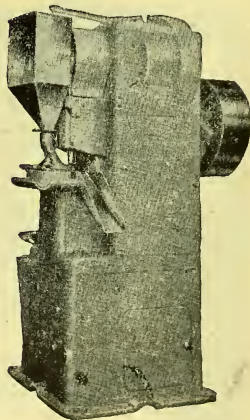
MANESTY
"R.S.I."
ROTARY
TABLET MACHINE



MANESTY
"E"
(Geared Model)
TABLET MACHINE



MANESTY
"D3"
ROTARY TABLET MACHINE



MANESTY
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Cries of London



shoes for some brooms!"

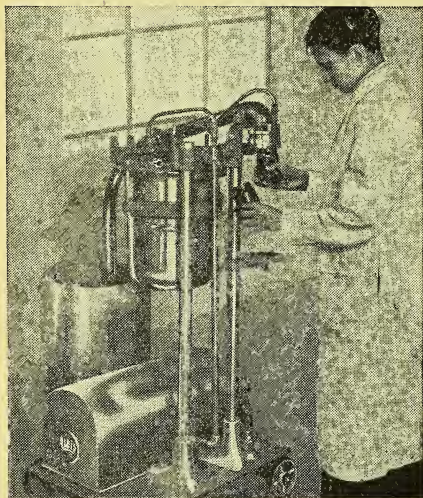
THE BROOM MAN

"Come buy some brooms, come buy of me;
Birch, heath and green—none better be;
The staves are straight, and all bound sure;
Come, maids, my brooms will still endure.
Old boots or shoes I'll take for brooms,
Come buy to make clean all your rooms!"

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1812

MANCHESTER



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THE P.A.T.A.

The war-time work of the P.A.T.A., although little publicised, has been of material benefit to members of the Retail Section and to manufacturers and wholesalers. In matters relating to Purchase Tax, the Limitation of Supplies Orders and the Prices of Goods Act (the P.A.T.A. List is recognised as a List of "Permitted Prices"), and in other directions, the Association has rendered, and is rendering, valuable service to the trade.

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75 YEARS

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This winter we are again advertising ‘Kepler,’ this time on an even more extensive scale and the demand will be greater than ever.

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‘Kepler’ advertising is scheduled to appear in the following papers

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Sunday Graphic
Sunday Express
Glasgow Bulletin
Good Housekeeping
Housewife
Picture Post
Punch
Radio Times
People's Journal
Woman's Journal
Woman's Own
and many others.

KEPLER' Cod Liver Oil with Malt Extract

TRADE MARK



BURROUGHS WELLCOME & CO
(The Wellcome Foundation Ltd) **LONDON**

ASSOCIATED HOUSES: NEW YORK MONTREAL SYDNEY CAPE TOWN BOMBAY SHANGHAI BUENOS AIRES

WARRICK·BROS·LTD

R. HENDRIE & CO. · ESTAB. 1760 · MADDOCKS & CO

FINE PRODUCTS FOR THE PHARMACY!

CAPSULES

Bulk, Packed and Speciality
Halibut Liver Oil
Cold Cure; Influenza
'Stankap'; Asthma; Digestive

PASTILLES

Glycerine of
Chronic C

LOZENGES

Owing to shortage of raw materials we cannot always execute in full our customers' orders. This is much to be regretted in cases where for many years particular articles have been purchased from us. We wish to assure our customers that every effort is made to maintain fair and equitable distribution of our products.

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Bismuth Dyspepsia
Bismuth, Pepsin and Pancreatin
Chilblain Treatment

PHARMACEUTICALS

'Pulvellæ' and 'Chocellæ'
Olive Oil (*Warrick Freres*)
'Carbo-Absorbent'
Granules—'Stankap' and Digestive

COLD PRODUCTS

'Nostrones' (Complete Treatment)
Ephedrine Nasal Compound
Smelling Salts
Ephedrine Nasal Cream

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Pellæ 8-Day Pile Treatment
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NEWS OF THE WEEK

Fifth Addendum to the Codex.—The fifth Supplement to the British Pharmaceutical Codex, 1934, has just been published by the Pharmaceutical Press.

Purchase Tax on Labels.—A notice issued by the Customs and Excise authorities states that the recent decisions as to liability of labels, tags and tickets to purchase tax (see *C. & D.*, November 28, 1942) apply equally whether the person who buys and uses the labels is himself registered or not, and whether they are intended for labelling chargeable or non-chargeable goods. It is not open to a registered buyer to obtain such articles tax-free as materials for manufacture.

Maximum Prices for Bar and Flake Soaps.—Under an Order issued by the Minister of Food, the following maximum retail prices for hard soap (including household bar soap but not toilet soap) and soap

flakes sold loose were made compulsory on December 13: Hard soap, 5½d. per lb.; carbolic hard soap, 6d. per lb.; soap flakes, 1½d. per 3 oz. Exceptions are made of a number of proprietary brands of hard soaps listed in a schedule to the Order; for these, maximum prices in excess of those set out above are specified.

Census of Floor Space.—An Order has been issued by the Board of Trade requiring owners of wholesale and retail premises with a floor space of 10,000 or more sq. ft. to send in returns concerning these premises. The Order is the Storage Facilities (Information) Order, 1942 (S. R. & O., 1942, No. 2264). Applications for the necessary forms should be made immediately to the Registrar of Factory and Storage Premises, Board of Trade, Neville House, Page Street, London, S.W.1; returns must be made within ten days of receipt of the form.

Chalk Licences.—The Control of Whiting, Chalk and Chalk Lime Order, 1942 (see *C. & D.*, November 21, p. 515), applies only "to such persons, being producers, distributors or users of any material specified" as the Minister of Works and Planning may "by written notice to such persons" direct.

Analyst on Food Substitutes.—In a recent report to the County Council, the Northamptonshire public analyst stated that there are still large quantities of unlicensed food substitutes on the market which the manufacturers have made no effort to recall. The granting of a licence was not to be taken as a kind of testimonial from the Minister of Food.

Labels for Export Packages.—A slight relaxation of the Control of Paper (No. 48) Order has been made which will permit anyone to affix a label to any package which has to be exported from the United Kingdom, provided that the label was manufactured before September 14, 1942, for labelling packages for export. This change is authorised in Direction No. 5 to the Control of Paper (No. 48) Order and came into force on December 9.

Export Licences.—The Board of Trade reminds exporters that export licences are not transferable. This is made clear on the export licence itself but cases have arisen where exporters have attempted to ship goods against an export licence issued to another firm. If it is desired to transfer an export licence, application must be made by the holder of the licence to the Export Licensing Department, Board of Trade, Inveresk House, 346 Strand, London, W.C.2.

Packaging Research.—The Packaging Research Committee, 101 Princes Gardens, Acton, London, W.3, has issued details of a scheme of research which it is proposed to initiate at an early date. The scheme was unanimously approved by representatives of many industries at a meeting on September 21. A report of the Committee was published in the *C. & D.*, August 29, p. 230.

Shops as Distributing Centres.—Commenting on the suggestion in a Liverpool newspaper recently that local distributing centres for cod liver oil and orange juice should be established, Mr. W. E. Shepherd (secretary, Liverpool Chemists' Association) said that chemists' shops were ready-made depôts to which people go for medicinal requirements. Even allowing for the chemist's profit, they would prove more economical than setting up new depôts and

clinics. "If the whole business of distributing medicinal needs and baby foods etc., was replaced in its legitimate channel this course would greatly benefit the public by its convenience, and in all probability benefit the rates by proving more economical than the existing maintenance and handling of stocks."

Machinery and Equipment Control.—The Machinery, Plant and Appliances (Control) (No. 3) Order, 1942 (S. R. & O., 1942 No. 2487, price 2d.), which came into force on December 9, replaces previous Orders and makes substantial amendments of, and additions to, the Schedule of machinery, plant and appliances, the supply and acquisition, and in certain circumstances the use of which is already prohibited except under licence from the Board of Trade. Supply of electromedical apparatus to institutions and persons can no longer be effected without licence on the surrender of a medical certificate. Manufacturers and prospective acquirers of machinery, plant and appliances should obtain copies of the Order from H.M. Stationery Office and study its full provisions. Application forms for licence may be obtained from the Machinery Licences Division, Board of Trade, 1-4 Tavistock Square, London, W.C.1.

Two Talks by Professor Todd.—At a meeting of the Glasgow and South-western Scottish Branch of the Pharmaceutica Society, on December 2, Mr. D. Gemmel (president) in the chair, Professor J. P. Todd (chair of pharmacy, Royal Technical College, Glasgow) gave talks on "Blood Transfusion" and "The Modern Treatment of Burns," each talk being illustrated by a film. Professor Todd described the work of the Glasgow blood-transfusion depôt showing how the containers for the blood were washed and sterilised, and describing the method of withdrawing and administering blood. In answer to questions he indicated the method of drying plasma and explained that the addition of sodium citrate to withdrawn blood prevented clotting. In dealing with burn treatment Professor Todd stated that applications of emulsified cod liver oil cream containing sulphanilamide had proved efficacious; equally satisfactory results had been obtained with other oils. Various questions were asked and answered, and Mr. Andrew Officer (vice-president) proposed a vote of thanks to Professor Todd and to Mr. F. Marshall, who had filmed the various processes and projected them on the screen.

TOPICAL REFLECTIONS

The Beveridge Report

Whatever may be the outcome of its treatment by the Legislature, the Beveridge report (pp. 60-709) will remain a document of importance in British history. The brilliant work in economics of its distinguished author has led up to the production of a survey that combines the idealism of a blue print of the future with the precision of a blue book. It may be said more than one class of reader, on inspecting its purport, has, like the Mayor of the Corporation of Hamelin when the Lord Piper announced his terms, "looked at it." But it is not our national habit to look when we are told that "a time for resolution, not for patching" has arrived. Let us consider for a moment the blue-print element in the report. The model is, perhaps for all time, the Republic of Plato. The serene charm of that masterpiece is not lessened by the circumstance—indeed, it is bound up with it—that much of it is poetry in the guise of prose; and it seems to have realised at times that the scheme was not practicable as a whole. Twentieth-century auditors might have asked Socrates a few awkward questions. The point this out is not to decry idealism: some of our present troubles are no doubt due to a lack of it.

Ways and Means

When we turn to the blue-book element in the report, we enter the realm of ascertained fact. It will do us no harm to take our starting point the strong probability, but put it no higher, that after the war we shall have to work harder. I notice that, speaking at a meeting of the Institute of Report recently, Mr. T. W. Fairhurst said: "The executive of tomorrow will have to be capable of planning production in such a way that the man-hour of skilled labour, for which wages are paid, can be made to do three or four times as productive in desirable products as was the man-hour of the days now past." The speaker added that this had been done in other countries, and could be done here. If, in fact, our export trade is to hold up its head as of old, there is little doubt that increased production per unit will be essential. And that is true of export trade can be applied with suitable variation to every trade and industry. Some explanation of how this greater productivity is to be combined with the reduction of unemployment to a

satisfactory minimum is desirable, and will, it may be hoped, be forthcoming. The problem of the idler will also call for solution. If, in the immediate post-war years, competing governments see fit to promise greater and greater social benefits without making it harder for the shirker to "wangle" more than his share, the stability of the country will not be very securely based. Of the proposals regarding public health, in which your readers are more immediately interested, you have given a full summary on pp. 601-03. A matter of such importance as the evidence submitted by most of the bodies named in the final paragraph of the summary seems to render publication of that evidence a fitting sequel. As in the case of the Departmental Committee on the Poisons and Pharmacy Acts which reported in 1930, the release of material of this kind would broaden the scope of discussion.

Bacterial Infections

A lecture like that of Mr. Dennis G. Ardley on the "Chemotherapy of Bacterial Infections" (p. 612) does honour to pharmacy. With the use of only a few unusual terms the lecturer presented a highly technical subject with a clearness that evinces a firm grasp of its details. I may briefly call attention to three points. The first point is the secondary actions of what we know as the sulphonamides. (I trust we are still allowed to refer to them collectively by that name.) In the medical Press of this country and of the United States, these secondary actions are recorded one by one as they come to light, indicating that considerable experience is requisite before the medical profession is in a position to foresee every probable effect when prescribing these substances. The second point is the work now in progress on penicillin and compounds suggested by its antibacterial activity. The third point is the prospect that "many familiar drugs will disappear," and that products of factories and research laboratories will take their places. If so, we must resign ourselves to their discontinuance. The contents of the Third and Fourth Addenda to the British Pharmacopœia, viewed broadly, raise in effect the question of the trend of prescribing. Are all these new substances "really necessary"? In that case, one wonders what old favourites are destined for the sack and the Bosphorus.

Xrayser

LEGAL REPORTS

Unlawful Sale of Hair Cream.—At Glasgow Sheriff Court, recently, Joseph A. Medcraft pleaded guilty to selling 30 dozen jars of hair cream, which he had manufactured at his premises at 237 Garscube Road, when he was not a manufacturer of controlled goods under the Limitation of Supplies (Toilet Preparations) Order. A fine of £25 was imposed.

Action for Damages.—Damages amounting to £672 were awarded in a Dublin High Court action recently to Mr. E. A. L. Dyson against J. J. Roche & Co., pharmaceutical chemists, Lower O'Connell Street, Dublin. The damages were for injuries alleged to have been sustained by Mr. Dyson when a fire broke out in Messrs. Roche's photographic workrooms on October 27, 1941. The plaintiff was employed as a photographer and general assistant.

Purchase Tax Prosecution.—At Leeds, on December 9, Herbert H. Lever, M.P.S., New Briggate, was fined £100 for making a false statement to a Customs and Excise officer. He was also fined £600 for failing to make application for registration respecting purchase tax. Mr. M. G. Whittome, prosecuting, stated that the defendant manufactured a considerable amount of cosmetics, which he sold. He should have registered on November 3, 1941, as a manufacturer of cosmetics. Mr. W. H. A. Groom (Customs and Excise) said a trader must register and pay tax if the gross turnover of goods of his own manufacture exceeded £500 a year. The defendant stated that he was not exceeding the £500 a year.

Food and Drugs Act Prosecution.—At Liverpool, on December 9, Jessie Bellingham, trading as J. Hodson, grocer, North Hill Street, was summoned for having given with a glycerin, lemon and ipecacuanha mixture a label calculated to mislead as to its nature, substance and quality. She pleaded "not guilty" and, claiming that she had used due diligence, summoned her suppliers, Stotherts, Ltd., manufacturing chemists, Atherton, near Manchester, to whose act or default she alleged any contravention of the law. Stotherts, Ltd., pleaded guilty. It was alleged by the prosecution that the product contained no glycerin. For the defence it was stated that the glycerin put into this mixture was only a very small proportion at any time, the real remedy being ipecacuanha. When it became impossible to get glycerin the company

increased the amount of glucose in the mixture, this having the same soothing effect as glycerin. New labels, "Glucose, lemon and ipecacuanha mixture," were printed, and orders were given for the old labels to be destroyed. However, they could not be burnt, and someone on the new staff by mistake used some of the old labels for a consignment of the new mixture. All the old labels remaining had now been sent for salvage. The stipendiary magistrate dismissed the summons against Mrs. Bellingham and dismissed the summons against Stotherts, Ltd., under the Probation Act.

Pharmacy and Medicines Act.—At Liverpool, on December 9, the stipendiary magistrate (Mr. Stuart Deacon) gave his decision in the case heard by him a fortnight previously (*C. & D.*, December 5, p. 571), when the Liverpool Co-operative Society, Ltd., were summoned under the Pharmacy and Medicines Act, 1941, for having sold a substance, recommended as a medicine (orange quinine) which did not bear on its label a statement of the appropriate quantitative particulars of the constituents or ingredients. The label stated the contents were non-alcoholic, and that the dose was half-a-wineglassful three times a day. The percentage of quinine was not stated. The defence was that the substance, although the dosage was stated, was not recommended as a medicine.

The stipendiary magistrate said that the relevant sections of the Pharmacy and Medicines Act, 1941, were Section 11 and Section 17. The guide to the solution of the problems presented to him in this case was to be found in certain passages in a judgment by Mr. Justice Atkinson, in the case of Nairne and Nairne (*C. & D.*, October 10, p. 363, and October 17, p. 389), which related to Hall's wine. In the summons before him he found no terms on the label on the bottle of orange quinine which were calculated to lead to the use of the substance for the preventional treatment of any ailment, infirmity or injury to the human body. He dismissed the summons and allowed the defendant £10 ros. costs.

Terms Agreed.—In the Chancery Division of the High Court, London, before Mr. Justice Bennett on December 9, it was announced that terms had been agreed between the parties in an action brought by Herbert Reginald Desmond Jarman,

elsize Park Gardens, London, N.W.,
 against Burgoyne, Burbidges & Co., Ltd.,
 manufacturing chemists, East Ham.

Mr. Gray, K.C., for the defendants,
 announcing that terms had been agreed,
 said that plaintiff had been employed by the
 defendants and he was claiming under
 the contract. There was a question as to
 exactly what the terms of the contract were,
 and whether he was entitled to some further
 commission or not. There was a certain
 allegation which, counsel said, he had
 been asked to state had been withdrawn.
 It was alleged by defendants that certain
 material documents had been taken away
 from plaintiff and not returned and he
 regarded that as an imputation on his
 character. It had been arranged that a
 fixed sum should be paid to plaintiff in
 full discharge of his claims, and it was
 obviously right that any imputations made
 against his character in the defence and
 counter-claim should be withdrawn.

Mr. Pascoe Hayward, for plaintiff,
 presented and said his client was very
 grateful that the allegation made against
 him was withdrawn. Mr. Gray said there
 could be an order staying proceedings on
 the agreed terms and defendants would
 pay the plaintiff £700 in full discharge of
 his claims for commission.

COMPANY NEWS

NEWTON WRIGHT CHEMISTS (ILFORD),
 LTD. (P.C.).—Capital £1,000. To acquire
 the business carried on at 111 High Road,
 Ilford, by Woodlands (Chemists), Ltd.,
 and recently acquired by the John Bodger
 Store, Ltd. Arthur W. Green, John T.
 Archell, Joseph Bass, M.P.S., and Josiah
 Bates, directors.

FIFTH AVENUE DISTRIBUTORS (HOLDING),
 LTD.—Public company. Capital £10,000.
 To enter into an agreement with Constance
 May, Eric J. T. Goudie and George M.
 Duncan, to acquire shares or interests in
 any other company, and to promote any
 other company carrying on business in
 toilet preparations, etc. Bertram May,
 Eric J. T. Goudie and George M. Duncan,
 directors. R.O.: Aldwych House, Aldwych,
 London, W.C.2.

ANGLO-IRANIAN PHARMACEUTICAL CO.,
 LTD. (P.C.).—Capital £50,000. Chemists,
 druggists, spice merchants, soap and
 cosmetic manufacturers, oil pressers, by
 wholesale or retail; importers, exporters
 and manufacturers of and dealers in
 chemicals for pharmaceutical, technical,

photographic, scientific and other purposes.
 C. L. Saul (Boots Pure Drug Co., Ltd.); F. C.
 O. Shaw (The British Drug Houses, Ltd.);
 H. E. Makepeace (Burroughs Wellcome
 & Co., Ltd.); I. V. L. Fergusson (Evans
 Sons Lescher & Webb, Ltd.); and I. L.
 Townsend (Glaxo Laboratories, Ltd.),
 directors. R.O.: Tavistock House, South
 Tavistock Square, London, W.C.1.

MERZ & CO., LTD.—Mr. A. L. Burr
 (chairman and managing director) is sever-
 ing his connexion with the company on
 January 15, 1943. In his three years' associ-
 ation with the company, Mr. Burr has been
 responsible for both home and export trade.

ALLEN & HANBURY, LTD.—Directors'
 report for year ended June 30 records a
 profit, after charging depreciation, interest
 on debentures, etc., of £209,042; balance
 brought forward from last year, £36,251;
 total, £245,293. From this sum are deducted
 interim dividends paid for half-year ended
 December 31, 1941, £20,750, leaving balance,
 £224,543, which the directors recommend
 should be appropriated as follows: Final
 dividends on 6 per cent. preference and
 7 per cent. and 8 per cent. preferred ordinary
 shares, £15,750; taxation reserve (including
 E.P.T.), £160,000; final dividend of 2s.
 per share on ordinary shares, £10,000;
 carried forward, £38,793. Report states
 that trading for the year constitutes a
 record in the long history of the company;
 both gross and net profits show a consider-
 able advance on any previous year's results,
 and are regarded by the directors as
 eminently satisfactory. Messrs. F. Capel
 Hanbury and Stanley M. Netherway retire
 from the board by rotation, and offer
 themselves for re-election.

TO BE STRUCK OFF THE REGISTER.—
 "The London Gazette," November 24, gives
 notice that Colton's Hygienic Products,
 Ltd.; Dr. Lister's Sales Co., Ltd.; S. J.
 Smith (Chemists), Ltd.; Shuttleworth's
 (Herbalists), Ltd.; and Tasmanian Eucalyptus
 Oil Co., Ltd., are among companies
 to be struck off the Register of Companies
 at the expiration of three months unless
 cause is shown to the contrary.

VOLUNTARY WINDINGS-UP.—A meeting
 held on November 26 resolved that Peck-
 ham Chemical Co., Ltd., should be volun-
 tarily wound up. Mrs. May O'Donnell, 29
 Elms Road, London, S.W.4, was appointed
 liquidator.—"The London Gazette," No-
 vember 24, notifies that Walters (Chemists),
 Ltd., is being voluntarily wound up.

TRADE NOTES

New Scabies Treatment.—Watford Chemical Co., Ltd., 50 South Audley Street, London, W.1, have introduced Anascabex, a perfumed non-irritant cream intended for the treatment of scabies. This preparation, which contains dipenta-methylene-thiuram monosulphide but no benzyl benzoate, is claimed to offer advantages over previous treatments for scabies, eczema, etc.

Christmas Greetings.—Among manufacturers who send seasonal greetings to their customers through the advertisement columns of this issue are Brook, Parker & Co., Ltd., 7-11 Ashfield, Horton Road, Bradford; Burgoyne, Burbidges & Co., Ltd., East Ham, London, E.C.; Arthur H. Cox & Co., Ltd., Brighton; and McClure, Young & Co., Ltd., 159 Bollo Bridge Road, London, W.3.

Agencies in Iran.—One of the objects of the newly-formed Anglo-Iranian Pharmaceutical Co., Ltd. (see p. 623) is to assist where practicable in the distribution of pharmaceutical products manufactured by any member of the Pharmaceutical Export Group. The company is prepared to consider acceptance of agencies from such manufacturers on a uniform basis of contract. Interested manufacturers should get in touch with the secretary (Mr. W. J. Williams) at the registered office of the company, Tavistock House South, Tavistock Square, London, W.C.1.

Christmas Holiday Closing.—Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2, state that their offices and warehouse will be closed from 5 p.m. on December 24 to 8.30 a.m. on December 28. Urgent requirements may be obtained from John Bell & Croyden, 50 Wigmore Street, W.1, or R. Woolby Brooke, 38 Gloucester Road, S.W.7. The offices and warehouse of C. J. Hewlett & Son, Ltd., 35-42 Charlotte Road, London, E.C.2, will be closed on December 25 and 26; except for urgent orders, the warehouse will also be closed for stocktaking during the week commencing December 28.—Wright, Layman & Umney, Ltd., and Dakin Brothers, Ltd., will be closed on Christmas Day and Boxing Day, and also, for stocktaking, on December 28, 29 and 30.

Black-currant Purée.—The high vitamin-C value of English black-currants was first demonstrated in 1936 by workers in the laboratories of Chivers & Sons, Ltd., Histon, Cambs. The preparation of Chivers' black-currant purée is carefully controlled by

the company's laboratories, and the claim is made that this product is one of the richest sources of natural vitamin C in the diet. It contains not less than 70 mgm. ascorbic acid per 100 gm., or 480 international unit per fl. oz., against 55 mgm. per 100 gm. of fresh sweet orange juice and even lower figures for other fruit and vegetable sources. Black-currant purée, being palatable, is specially recommended as a source of vitamin C for children who will not eat green vegetables in sufficiently large quantities to meet their daily requirements. It is also recommended where other antiscorbutics are not accepted by the very young.

Proprietary Articles Trade Association

Additions to Protected List.—*Jordan Medicine Co.* (Proprietors, *Alcona Products Ltd.*). Jordan's gin pills, 2s. 6d. doz., tax 5d. doz., inclusive retail price 4d.; 10s. 9d. doz., tax 1s. 9½d. doz., i.r.p. 1s. 5d.

Bob Martin, Ltd. Stock Sense concentrated poultry conditioner, 7½d., 5s. 6d. doz.; 1s. 6d., 13s. doz.; 4s., 36s. doz. (exempt from tax). Supplied only in standard cases, as follows: No. 1, mixed, 2½ doz. 7½d. packets; two doz. 1s. 6d. packets; bonus of ½-doz. 7½d. packets. No. 2, small packets, nine doz., 7½d. packets; bonus of eight 7½d. packets. No. 3, large packets, 2½ doz. 1s. 6d. packets; bonus of three 1s. 6d. packets. No. 4, drums, 1 doz. 4s. drums; no bonus.

Alterations.—*W. B. Cartwright, Ltd.*, have acquired Urillac products and are retaining the following articles in the protected list: Urillac tablets, 3s., 22s. doz., tax 3s. 8d. doz., i.r.p. 3s. 4d.; 5s., 44s. doz., tax 7s. 4d. doz., i.r.p. 5s. 7d.; liniment and U.M.C. Ovoids, 1s. 3d., 11s. doz., tax 1s. 10d. doz., i.r.p. 1s. 5d.; 3s., 22s. doz., tax 3s. 8d. doz., i.r.p. 3s. 4d. Urillac tablets, 1s. 3d. size, and bath salts are deleted.

Grasshopper, Ltd. Grasshopper ointment, 7d. size (including purchase tax) now out of stock; no further supplies will be available. 1s. 5d. size (including tax) now supplied without cartons.

Thos. Kerfoot & Co., Ltd. Increased prices, January 1, 1943, Kerfoot calcium-D, 3s., 24s. doz., tax 3s. 10d. doz., i.r.p. 3s. 4d., less usual 5 per cent. for cash before 15th of month following date of invoice.

Osborne, Bauer & Cheeseman, Ltd. (Agents, *Sangers, Ltd.*). Correction: Retail price, including purchase tax, of Glymiel healing ointment, is 6½d. and not as previously quoted.

PHARMACEUTICAL SOCIETY of IRELAND

ETING of the Council of the Pharmaceutical Society of Ireland was held at Lower Mount Street, Dublin, on December 10, 1942. Mr. John Gleeson (president) in the chair. Other members present were Messrs. C. J. Cremen, P. C. Cahill, H. P. Moran, P. A. Brady, M. Costello, J. A. Burke, W. G. Cunningham, J. A. McNamee, A. R. Lester, E. MacSweeney, J. Parkes, Sir T. Robinson, Messrs. J. Scott, and J. K. Whelehan.

Correspondence

A letter was read from the Ministry of Health conveying the Minister's approval of the appointment of Mr. T. J. Bourke, as examiner in pharmacy.

The Registrar of the Medical Registration Council wrote: "In confirmation of my telephone conversation, I have to inform you that at a meeting of the Council held on November 3, the following resolution was passed unanimously: 'The Medical Registration Council formally decided that after November 3, 1942, the pharmaceutical standards as set forth in the Addendum to the British Pharmacopœia, 1932, be until further notice the standards and methods required in Ireland in respect of the matter contained in the Addendum, and that the Council so record their action by formally placing on a copy of the said Addendum to the British Pharmacopœia, 1932, this resolution of the Council, and that the Seal of the Council be hereto affixed.' I have to add for your information that publication of this resolution will be made in the 'Irish Mail' of Tuesday, November 10." The meeting was noted.

John J. Gaynor, law adviser, reported on a recent prosecution by the Society against John Duffy, Hacketstown, wrote: "This case came on for hearing before the District Justice on November 26 at Hacketstown, with the following result: a fine of £10 was imposed on the summons under section 30 of the Pharmacy Act and £1 1s. The summonses under the Poisons Act for selling phosphorus in Rodine and in Cooper's sheep dip were marked 'satisfied,' but the Justice applied the Poisons Act on the defendant's undertaking to pay £1 1s. costs in each case. Total fines and costs, £8 3s."

THE PRESIDENT said there was another matter, which was not on the Agenda but which was a matter of comparative urgency,

he would like to bring before the Council. He had received a letter from the secretary of the Irish Drug Association intimating that the Association were arranging to hold a dinner on January 11, and expressing the hope that the Council would give the function their full support. He thought the decision of the I.D.A. to hold this dinner was a very desirable and good thing on which he would like to have their views. The date was not exactly definite, but it would probably be January 11 or 12, and the tickets would be about 10s. 6d. In view of the transport difficulties it would be an informal dress function and consequently ladies were not being invited. The Association would, however, like each member to bring a guest and preferably one who would contribute to the entertainment.

MR. SCOTT said the members of the I.D.A. Committee thought it would be a good thing if the two bodies—the Society and the Association—came together in this informal way from 6.30 to 9.30 p.m. They were very anxious that all the members of the Council should attend.

MR. BRADY said he would like to support Mr. Scott's views. The I.D.A. were going ahead with this and would very much like it if members of the Council came along.

MR. LESTER suggested that the dinner begin at 7 o'clock instead of 6.30, since the Southern train did not get in to Dublin until 6.30.

THE PRESIDENT said he had suggested that the dinner might be held on the Tuesday evening of the day on which the Council meeting was being held if this were convenient for the I.D.A.

MR. SCOTT said the I.D.A. Committee would like those who were attending the dinner to send in their names, and the names of those coming with them.

Registration Matters

Mrs. Cecilia Butler (*née* McAuliffe), L.P.S.I., and Mrs. Mary Marron (*née* Murphy, M.P.S.I., submitted marriage certificates and requested changes of name in the Register. The applications were granted.—The following who submitted matriculation certificates were granted Preliminary registration: Misses M. C. Murphy and K. O'Sullivan. Messrs. M. J. Barron, M. B. Brophy, J. J. A. Fanning, G. L. V. King, M. D. O'Kane, E. N. Phelan, J. K. Shaughnessy, and J. Staunton.—

The following changes of address were notified: Mrs. C. M. Butler, L.P.S.I., *née* McAuliffe, to The Medical Hall, Dunmanway; Mr. J. P. Daly, M.P.S.I., to 149 Lower Drumcondra Road, Dublin; Mr. G. W. Irwin, M.P.S.I., to Roseye, 13 Trimleston Gardens, Booterstown, co. Dublin; Mr. P. Kelly, M.P.S.I., to 120 Summerhill, Dublin; Mr. J. J. C. Maguire, M.P.S.I., to 286 Lower Rathmines Road, Dublin; Mr. H. L. Mushatt, M.P.S.I., to 8 Dufferin Avenue, South Circular Road, Dublin.—Miss L. Bates, Mr. J. A. Burke, and Mr. T. Farrar were elected to membership of the Society.—The following were nominated for membership: Mrs. J. P. D'Arcy, 178 Philippsburgh Avenue, Dublin; Mr. S. Downing, c/o Macauley's Pharmacy, Main Street, Ballinasloe; Mr. J. J. Murphy, Main Street, Bruff, co. Limerick; and Mr. D. J. O'Reardon, O'Brien's Medical Hall, Middleton.—The Licence certificates of Henry Cashell and Michael Moloney were signed and sealed and the completed pages of the Register signed.

The Reports of the House, Schools, and Law Committees were submitted and approved.

The Registrar (Mr. J. J. Kerr) reported on the death of John Byrne, R.D., Athboy.

Examiners Re-elected

Mr. D. Warwick, P.C., M.P.S.I., was re-elected Examiner in Pharmacy to the Licence examination for the year ending November 1, 1943, and Dr. J. Keane was re-elected Examiner in Chemistry to the Licence examination for the same period. Mr. M. J. O'Callaghan, M.P.S.I., was re-elected Examiner to the Registered Druggist examination.

Consultative Committee's Report

THE PRESIDENT mentioned that since the last meeting of the Council there had been a meeting of the Consultative Committee at which the question of finding ways and means to amend the existing regulations to ensure that there would only be one apprentice to each qualified chemist was considered at length. The Council would recall that some time ago a resolution to this effect was passed and sent to the Minister for Justice for his approval, but the Minister declined to approve as he held that the resolution was *ultra vires*. The Consultative Committee decided to send the matter back again to the Council with the recommendation that they seek Counsel's opinion on the matter, and a letter

setting out the facts for the law ad had been drafted by the Registrar. REGISTRAR then read the draft letter which was approved by the Council, and a motion given that it be sent to Mr. Gay. The Council then went into Committee to consider Sections 3, 4, and 5 of the Consultative Committee's report. On Section 3 the consideration of three recommendations tabled by Mr. J. A. O'Rourke was adjourned to the next meeting, and one amendment to Section 4 put down by Mr. W. Cunningham was passed.

Restricted Sale of Veterinary Products

When "other business" was read Mr. WHELEHAN drew attention to a decision of a leading firm of British manufacturers to confine the sale of their veterinary preparations to the veterinary profession. Mr. Whelehan quoted from a letter written by this firm to a co. Limekiln pharmacist in which they said: "At the beginning of 1941 we considered it wise to adopt a definite policy for veterinary products which would be enforced with no exception. In this direction we were largely influenced by the nature of the products we intended to offer. We think you will agree that highly potent chemotherapeutic drugs call for specialised knowledge in their application, and that considerable harm would result from their misuse in inexperienced hands. As a safety measure for all parties concerned, we therefore decided to restrict supplies to qualified veterinary surgeons in preference to an open retail policy, whereby such goods could reach the members of the farming community through the retail pharmacist." The policy adopted in that letter, commented Mr. Whelehan, struck very deeply at the root of the pharmacists' position. The chemists throughout the country up to now were very largely in the same relation to the veterinary profession as they were with regard to doctors for the sale of medical products. The suggestion in the letter was that chemists would sell these highly potent drugs direct, but the same argument might be advanced with regard to the various potent medicinal preparations handled by the chemist for human use. He brought this forward because he thought the Council might think something could be done about it. Instead of selling through the chemists a link was now being created directly between the veterinary surgeon and the manufacturers of these products. This firm were also the makers of ethical pharmaceutical products for human use.

ere was nothing to prevent them the same thing with regard to doctors. SCOTT said that what had happened country was that in a great many people bought certain veterinary ations and injected them themselves t bringing in a veterinary surgeon. as the principal reason why veter- urgeons were so strong on this point having them made available to the

Through Chemists

CAHILL said it was not quite correct that the chemist was excluded. If rinary surgeon wanted some of this preparations he could order them n the chemist, and they would be irect to the veterinary surgeon. He is matter up with the firm in question is was the only concession that could ained.

WHELEHAN said it was the normal n England, where they did a lot of own dispensing, to send medical es direct to the doctor but that was e case here.

MR. COSTELLO said a prominent veter- inary surgeon had spoken to him of certain preparations being available without veter- inary surgeons being sent for. The veter- inary surgeons had made a strong demand to have some of those things made available only to the veterinary profession.

MR. WHELEHAN: But they should be made available to the veterinary profession through the chemists. That is my point.

MR. CREMEN: This is the thin end of the wedge.

MR. PARKES: If a veterinary surgeon is paid ten and sixpence for a script the man who pays the fee should be entitled to get it dispensed wherever he likes.

MR. WHELEHAN said he would like the members of the Council, and the Registrar, to think over the points he had raised during the month prior to their next meeting and see what could be done about it.

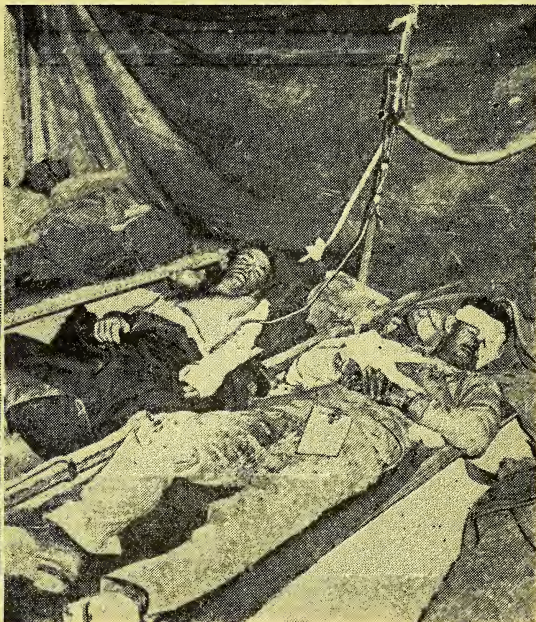
Benevolent Fund

At a meeting of the Benevolent Fund Committee held following the Council meeting several grants were passed for payment.

BLOOD TRANSFUSION SERVICE

FROM DONOR TO RECEIVER

ery of blood transfusion in two . Left: A donor at an Emergency Transfusion Service. Right: A of an advanced Field Dressing in the desert on the El Alamein howing a transfusion in progress.



ULSTER CHEMISTS' ASSOCIATION

ADDRESSING members of the Ulster Chemists' Association at the annual meeting held recently (see *C. & D.*, November 28, p. 548) the president (Mr. P. R. W. Shinner) said he would like to reply to a suggestion made recently that their present large membership was due simply to the exigencies of war, and that many of the newer members had joined solely to get trade information, price alterations, and advice. Were not these some of the objects for which the Association existed? But if the Association were not constantly "on its toes," the membership would not embrace 92 per cent. of the craft, war or no war. When the Committee had decided to open an office, and to make the secretaryship a full-time post, the idea had been that, as members were in daily, nay hourly, need of help, if the Association could do anything to assist them it should. He wished to pay tribute to the energy, tact, and resource of their secretary.

Visits to Provincial Associations

With the idea of establishing more intimate contacts between the central body and their country cousins visits had been paid to two provincial Associations. In both North Down and Larne the deputation had been most cordially received. It had been stimulating to find co-operation and goodwill developed to such an extent in both places. It was the desire of the executive committee that representatives of local associations should attend their committee meetings, say, once a quarter.

Clearing-house Plan Dropped

The question of a clearing-house had been raised at the previous annual meeting. The reason the committee felt they had no option but to abandon the scheme was the lack of positive support, as ascertained by questionnaire. There seemed to be in all of them an inherent if understandable dislike to filling up and signing forms. The new C.F. agreement form was an instance.

Non-chemist Distributors

The growing tendency of non-chemist distributors, particularly the larger stores, to introduce stocks of recommended medicines, notwithstanding the provisions of the Location of Businesses Order, had aroused uneasiness and resentment in the profession. Latterly there had been evident a certain feverish haste to introduce a substantial

range of medicines, etc., possibly to replace depleted stocks of toilet goods. The committee had not been slow to accept the challenge, and had drawn the attention of the appropriate Government Department to the matter. Several points were not worthy. The move might be regarded as an attempt to forestall legislation to prevent such a practice. The second point was that the medicines were sold for the most part by young girls of the "here-today-away-tomorrow" type, without any experience or qualification whatever, and, with few exceptions, without qualified or even competent unqualified supervision. The sole consideration there was one of dividends. Thirdly, there was the unpleasant fact that frequently chemists found exposed in those departments many goods which they themselves were unable to obtain, though they had handled such goods for years. It was with gratification, therefore, that they noted the reply of the President of the Board of Trade on October 13 questions in Parliament on that subject.

Cosmetic "Agencies"

There was a class of manufacturers mainly engaged in the cosmetic industry to which he should like to draw attention. The plan had been to appoint so-called "special dealers" for each district, each dealer being required to sink a substantial amount of capital in the products, receiving in return an assurance that no further agencies would be created in the district. Having given the dealers time to introduce and create a local demand for the goods, the manufacturers or their representatives promptly proceeded to violate their agreements, to open new accounts all round, and to distribute the goods broadcast. Such had been the case up to 1939. Then came the war. Supplies ran short. At all costs the big stores must be kept supplied, so the small dealer's accounts were summarily closed in order that their legitimate quotas might be diverted to the big stores. One maker has closed over 1,000 accounts. "New orders were topical just now, but after the war there would only be one order for merchant who had not played straight—"Get out. He would like a warning to go out from that meeting to those "gentry" that the Association was watching their methods closely, and that any extension or continuation of such methods would be regarded by them as hostile to the

interests. The question of unqualified trading led, not unnaturally, to the contemplation of their own position in the near future. While legislation was at present under consideration, which they trusted would prove not unfavourable to their members, they could not but recognise that all around them plans were being considered for the post-war era. The position of the pharmacist had been ignored in the report of a Commission set up by the British Medical Association, and only once was reference made to dispensaries. Any increase in the numbers brought within the scope of National Health Insurance would automatically affect the pharmacist in two ways: an increase in his N.H.I. dispensing, and a reduction in private prescriptions and in sales of advertised and own-name medicines.

Post-war Preparations

With post-war schemes in their present fluid state it was difficult to foresee just what lay in store for future pharmacy. Was

there anything they could do about it? He suggested that they should support the N.P.U. claim that all dispensing should be done by pharmacists, and the supply of medicines reserved to pharmacists; and that they should refuse to consider or co-operate in any scheme which did not recognise those claims as a minimum. As to Associateships, while, of course, the statutory body was charged with the educational welfare of their youth, they felt sure that any effort they could make to stimulate a healthy interest in the affairs of the craft could only result in a better class of pharmacist in the future and would not be misinterpreted by their statutory brethren. Personally, he had been wondering whether they could offer one or two scholarships open to Associate members only. It was the opinion of the executive committee that some arrangement should be come to whereby non-proprietor pharmacists and the older unqualified assistants should have the benefit of co-operation with the Association.

NEW BOOKS

Conquest in Exile.—Carl Schmeidler. 7½ in. by 5 in. Pp. 296. 8s. 6d. Andrew Dakers, Ltd., 42 Great Russell Street, London, W.C.1. This book is a "refugee" novel with a distinctly pharmaceutical background. It tells the story of a German chemist whose criticism of Hitler during the early days created a situation from which he had to flee for his life. He eventually reached England and after many vicissitudes became manager of a chemical factory in the East End of London. Mr. Schmeidler has written a moving story with courage.

Detailing by Druggists.—Tom Jones. 8½ by 5½ in. Pp. 52. 75c. Romaine Pierson Publishers, Inc., New York, U.S.A. A supplement to "Detailing the Physician," this booklet, brought out by the publishers of the "American Professional Pharmacist," takes the line that pharmacists would secure their own future success by concentrating on "pure" pharmacy to the virtual exclusion of sidelines, and by arriving at a better understanding with the medical profession. A chapter is devoted to "What the doctor should expect of the Druggist," and another to what the pharmacist should expect of the doctor. The remaining chapters give hints on developing sales of auxiliary items to dispensing customers, on circularising medical men, and on "ethical" advertising.

Gas Warfare.—Compiled by W. K. Fitch. 7 in. by 4¾ in. Pp. 103. 2s. 6d. The Pharmaceutical Press, 17 Bloomsbury Square, London, W.C.1. Mr. Fitch is well qualified to compile this monograph for instructors as for some time he has taken an active interest in anti-gas training in his capacity as gas instructor in the Home Guard. Much valuable information normally scattered through various publications is grouped together in the booklet, and chemical and pharmaceutical material of a more detailed character than is usually found in official and unofficial memoranda on gas warfare is provided. Pharmacists who are interested in chemical warfare will find chapters on gas warfare, general properties of war gases, detection and identification of war gases, gas simulants, respirators, treatment of contaminated food, first aid and treatment, decontamination and the care of animals. Appendices deal with decontamination of weapons, a Home Guard exercise, and practical questions. The book is small enough to be carried in the pocket and is packed with useful information.

COMMANDOS TAUGHT FIRST AID.—Men of the Commandos are receiving special training in first aid at military hospitals. The course is more advanced than that given to soldiers generally.

PARLIAMENTARY NEWS

Surgical Belt Restriction.—Mr. Lipson asked the President of the Board of Trade on December 9 whether he would amend the Belt and Corset Order, 1942, so that it should not apply to repeat orders, as the existing Order involved patients in the expense of two visits to doctors. The Parliamentary Secretary to the Board of Trade (Captain Waterhouse) replied that according to his advice only a patient's doctor was in a position to determine whether it was necessary for a surgical belt to be replaced, and for this reason he could not accept the suggestion.

Policy Towards Small Traders.—Mr. Granville asked the President of the Board of Trade on December 8 what steps he proposed to take to compensate the owners of shops and small businesses when their livelihood became lost because they had volunteered for the Fighting Forces and the assistants left in charge had been called up. Mr. Dalton's reply was that the policy of the Government was that no compensation could be paid from public funds, except in respect of loss or damage directly due to enemy action or to counter-action.

Palestine Chemical Imports.—In a written question, Mr. Henderson Stewart asked the Secretary of State for the Colonies on December 9 whether he was aware of the resentment felt by independent British importers of chemicals into Palestine at the recent order imposed by the Palestine Government requiring all importers to send shipping documents through Imperial Chemical Industries (Levant), Ltd.; why this advantage had been given to that firm; and whether he would reconsider the present position, in view of the damage likely to be caused in this way to the business of other importers. Colonel Stanley replied that the purpose of the Order was to ensure that sufficient, and not more than sufficient, chemicals were imported into Palestine. At this stage in the war the trade in scarce commodities must be controlled, and in technical matters of this kind Governments could not exercise control without expert advice and assistance. In its original form the Order was admittedly open to the objection that it might enforce the disclosure of trade secrets to rival firms, and modifications had been introduced which would, it was hoped, remove this objection. It would be understood that I.C.I. (Levant) were not sole importers but only sole consignees of the goods.

BENEVOLENT FUND

At a special general meeting of the Pharmaceutical Society of Great Britain, at Friends House, Euston Road, London, N.W.1, on December 10, twenty-eight persons were elected annuitants under the Benevolent Fund (see *C. & D.*, November 14, p. 497). Following the election the president, who was in the chair, said he felt he should not let this opportunity pass without paying tribute to the work of the Benevolent Fund Committee and in particular to the chairman of that Committee, Mr. McNeal, for this was an aspect of the Society's work of which very few details are made public. During the year 1942 the Committee has considered no less than 205 applications for assistance from the Fund. In all but ten of these applications payments have been made from the Fund. The recipients were sixty-six members or former members of the Society and 139 widows of members. Including those just elected to annuities the number of annuitants on the Fund was sixty-one, being twenty-two members or former members of the Society and thirty-nine widows of members. Payments from the Fund authorised during the year amount to approximately £6,000. Contributions during the year had amounted to only a little over £3,000. The remainder was made up from repaid income tax and interest from investments. The investments have been made possible by the generosity of members who have left legacies to the Fund.

Opportunities to Contribute

There are many ways in which money can be raised for charities, and opportunity will be given to all in the very near future to send something for the Fund when paying their retention fees for 1943. The forms of application which are being sent out will provide this opportunity. It may be also that members will feel that Christmas-tide is an appropriate time at which to set aside a contribution to the Fund. It is difficult in these days to organise social functions, but the merits of the Fund might be borne in mind when distributing profits from any social functions which it may be found possible to hold. In addition, the Society has five children who have lost one or both parents, and are being educated at boarding schools up to School Certificate standard at the expense of the Orphan Fund, which is also administered by the Benevolent Fund Committee, at a cost of approximately £1,400.

PERSONALITIES

MR. T. STEPHEN JONES, M.P.S., has been elected vice-chairman of the Birkenhead Insurance Committee and chairman of the Medical benefit subcommittee.

MR. JOSIAH K. LILLY (Eli Lilly & Co.) has been awarded the Remington Medal for 1942. Mr. Lilly graduated from the Philadelphia College of Pharmacy in 1892.

MR. NORTHAM WARREN, jun. (vice-president and sales manager, Northam Warren Corporation, Stamford, Connecticut), has been promoted Captain in the United States army.

CHANGE OF NAME.—"The London Gazette," November 24, notifies that Michael Mulovich, M.P.S., 24 Parkview Court, Fulham High Street, Fulham, London, has changed his surname to Small.

MR. W. F. KEMP, M.P.S. (a past-chairman of the Leeds Branch of the Pharmaceutical Society and convener of the Sports Section of the British Pharmaceutical Conference, Leeds, 1934), was on December 4 installed W.M. of Defence Lodge, No. 1221, at Great George Street, Leeds. Many of his chemist brethren were present.

BIRTHS

HENDERSON.—At Bombay, on November 4, Dorothy (*née* Marshall), the wife of Major John C. Henderson, M.P.S. (Bliss & Co., chemists, Karachi), of a daughter.

MARRIAGES

FORD—MORANT.—At Knaresborough, on December 3, Alan Ford, Second Lieutenant R.A.S.C. (T. H. Ford, Ltd., surgical dressings manufacturers, London), to Dorothy Lydia Morant.

DEATHS

DAVIES.—On November 28, as the result of a road accident, Mr. Evan Michael Davies, M.P.S., F.S.M.C., F.B.O.A., 66 Ombersley Road, Birmingham, 12, aged fifty-four. Mr. Davies qualified in 1914.

DUFF.—At Dundee, recently, Mr. James Duff, M.P.S., for many years in business at Strathmartine Road. Mr. Duff passed the Minor examination in 1901.

GEORGE.—Recently, Mr. Francis Joseph George, M.P.S., 2 Craig Isaf, Aberdare. Mr. George qualified in 1892.

HOLLIDAY.—On December 7, Mr. J. H. Holliday, a director of P. H. Galloway, Ltd., manufacturing chemists, 154 Walworth Road, London, S.E.17, aged fifty-seven.

MORRISON.—At Hobart, Tasmania, on November 25, Mr. William Davidson Morrison, chemist and druggist, formerly of Morrison & Meldrum, chemists, Irvine, Ayrshire. Mr. Morrison passed the Minor examination in 1906.

SHAW.—At "Holyrood," Pembroke Road, Sevenoaks, on December 8, Mr. Frederick Shaw, formerly of "Glenara," Bexhill-on-Sea, aged ninety. Mr. Shaw was connected with the drug trade for over fifty-three years. He entered the firm of George Curling & Co. at the age of twenty-one and ten years later was made a partner. A few years afterwards he negotiated the amalgamation of this firm with the firms of Wynn & Westwood and of John Wyman. The new firm, under the style of George Curling, Wyman & Co., continued until 1919, when amalgamation was made with The British Drug Houses, Ltd. Mr. Shaw was on the Board of that company until his retirement in 1926. He had a wide experience of the export trade, particularly of the South American markets, and knew personally the heads of all the large importers in that part of the world. He leaves three daughters and a sole surviving son, Mr. F. C. Oscar Shaw, who is a director of The British Drug Houses, Ltd.

RECENT WILLS

MR. ERNEST BRADLEY RAINE, M.P.S., 43 Northumberland Avenue, Wanstead, London, E., who died on April 9, left £3,542, with net personalty £2,603.

MR. JOHN MACVIE HILL, B.Sc., D.Litt., 16 Greenhill Park, New Barnet, Herts, and 1 Burnflat Brae, Hawick, Scotland (British Colloids, Ltd.), who died on August 28, left £2,962, with net personalty £1,706.

MR. HARRY SAMPSON WILLS, M.P.S., 55 Arngask Road, Catford, London, S.E., who died on August 24 (son of the late George S. V. Wills, founder of the Westminster College of Pharmacy, London, S.W.), left £618, with net personalty £579.

MR. JOHN WILLIAM BRACEWELL, M.P.S., 27 Bury New Road, Irwell View, Ramsbottom, Lancs, founder and managing director of J. W. Bracewell & Co., manufacturing chemists, who died on September 19, left £1,626, with net personalty £970.



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ates throughout the Pharmaceutical, cal, Drug, Essential Oil, Perfumery, etic, Toilet Preparation and allied Trades and Industries in Great Britain, Eire, the British Empire, and foreign countries

organ of The Pharmaceutical Society of
The Pharmaceutical Society of Northern
The Chemists' and Druggists' Society of
and of other Chemists' Societies in the Empire

XXXVIII DECEMBER 19, 1942 NO. 3280

The fact that goods made of raw materials
not supply owing to war conditions are
used in this paper or described in its
diagram columns should not be taken as an
indication that they are necessarily available
for export.

Studies According to Plan

EVERYWHERE, in universities, colleges and technical schools, students who have enrolled on a task that marks the turning-point in their careers—the passing of one of the qualifying examinations. Without exception these students have an aim, but the passes of the examination pass lists show that few have a plan. The commencement of a course of study assumes the possession of several qualities—pre-ness, eagerness and willingness. To be prepared is to win half the battle. Of it is found that a period of several years may elapse from the passing of one examination to the facing of the next, yet the student often leaves his learning in abeyance, hoping to revise it when the more advanced course is tackled.

Revision Demanded

It is a truism that the pace of a class is that of its slowest member, and the student who attends a course unprepared is not only doing himself a grave disservice, but is considerably retarding the efforts of his classmates. A little revision now and then will not only serve to ameliorate his situation but will keep his mind alert and studious. How many students, it may be

asked, have wished that they had mastered shorthand to enable them to take down a lecture, or learned typing to help them to arrange their notes in better order? How many have found pharmaceutical Latin a grind without the prerequisite knowledge of latin grammar? And what Ph.C. student has not regretted the additional burden that a knowledge of scientific French and German, required for the examination, has imposed upon him.

Dependence on the Teacher

Students must, in order to achieve best results, be prepared to lean to a considerable extent on their tutors. Each school has a carefully-planned course to cover the syllabus in good time; usually an ample period is allowed for revision under examination conditions. The student must be prepared to allow his teacher to indicate the proper facts to be committed to memory, and to realise that in science at least the instructor's major aim is to instil a knowledge of scientific method rather than facts.

Forming Study Habits

Just as the course is laid down to a definite time-table, so must study be arranged. The student should be prepared, therefore, to settle down every night at the same time for a definite number of hours. Each student must work out for himself how much time he can devote to study before becoming stale; if the time is comparatively short then he should arrange a brief but complete break. No student can study in comfort. An easy chair, a blazing fire and a well-stoked pipe, cannot be regarded as aids to effective study. Spartan discomfort, on the other hand, is to be avoided, and the happy medium sought. Sweep your desk clear of all except the book you are using and a note pad. Write on your books. Marking text-books as you go along has many advantages. If the marginal space is not enough, or your inborn respect for the printed page too great, then cut pieces of thin paper, slightly smaller than the page of the book, and stick them in. Picking up such a marked book after a lapse of time will enable you to recall whole chapters simply because of your markings. Therefore learn to mark—and mark to learn.

PHARMACY IN AMERICA

by Herbert Price, Ph.C.

PART II of the Committee of Inquiry's report makes praiseworthy suggestions as to the future of pharmaceutical education, though they are viewed in some quarters with misgivings. It may be of value to examine closely educational requirements in the United States, and their effect upon the profession. Pharmacy in America is at present experiencing a shortage of man-power. Contemporary opinion advances the reason that the pharmacist has "sold his trade down the river," by forever complaining about poor returns and long hours, thus causing a change of mind in prospective pharmacists. Admitted, too, is the fact that pharmacists refuse to amend these conditions. How applicable to pharmacy in our own country are these statements! Other reasons advanced for this dearth of pharmacists are the stiffened educational standards, and the leakage of graduates into industry. Outlets for graduate pharmacists are more numerous than in Great Britain. In addition to the normal avenues in retail and hospital pharmacy, in wholesale and in propaganda, posts in Government laboratories as food and drug experts, and as chemists and bacteriologists in municipal and State laboratories are open.

Educational Requirements in Ohio

Educational requirements vary in different States, although all are moving to the goal of a four-year course for the B.Sc. (Phar.) degree. Typical is the State of Ohio, which requires that a candidate for registration as a druggist shall be twenty-one years of age, a citizen, have had two years' apprenticeship, and have graduated from a recognised college of pharmacy. Where the college course exceeds two years, each additional year of college work counts as one year of practical experience; thus those who graduate B.Sc. register without practical experience. Since the State requires registration, the colleges are State-aided. As in some English colleges, the student's work is co-ordinated with other departments of the University, thus giving him an insight into other professions, and exerting a broadening influence. Prerequisite to registration as a "freshman," or as an apprentice, is the Certificate of secondary school education, requiring a four-year high-school course, but without stipulation as to the subjects studied, thus

differing from our own matriculation examination. Singularly different from our own method of assessing work on term examinations is the American method of points or "credits." This means that a given subject has been satisfactorily studied in class for a definite number of hours, and an examination passed. Once credited with a subject the student has finished with it for good. Should a student, for financial or other reasons, have to interrupt his study, he is free at some future date to resume where he left off, since the credits are not permanently to his advantage. The examination is common to all students, and they may graduate B.Sc., B.Sc. cum laude, B.Sc. summa cum laude. Post-graduate study leads to the Master's and Doctor's degree.

Subjects Studied

The subjects studied differ from those required for the English degree, and include some which educational experts on this side would claim should properly be relegated to the pre-University period (e.g. English and foreign languages). The range of subjects includes one elective or optional subject chosen from Bacteriology, Business English, Cosmetics, Economics, Pharmacology, etc. During college courses, students may pursue part-time employment, perhaps in pharmacy, or hospital dispensary, but only in some menial capacity, sufficient to pay for room and board. Under similar conditions post-graduate work for the higher degrees may be pursued. Like his English counterpart, the American druggist is pharmacist by choice and a merchant by necessity. Closer organisation and pride of profession have given the American pharmacist a higher social standing than enjoyed by pharmacists in this country. There is a tendency for the establishment in each centre of a purely professional pharmacy, though in many other business pharmacies pharmacy takes a back place. In the town dispensing is flowing back to the pharmacist, though in the country the pharmaceutical untrained physician still dispenses.

NEAREST TO DRUG STORES.—"There is no real equivalent in England to the Dr. Store: Boots' Stores are the nearest to it."—From "Over Here," an explanatory pamphlet issued to U.S. troops in this country.

TURPENTINE AS RAW MATERIAL

STANDING recent developments in the chemicals are reviewed by Palmer Industrial and Engineering Chemist (34.9.1028). The most widely distributed of all the terpenes is α -pinene; also the one most abundantly recovered for industrial use as oil of turpentine. The use of turpentine as a solvent led to its widespread use in the manufacture of protective coatings. But, though the supply is plentiful, there was no great incentive for chemical uses for it. Probably the first effort to use turpentine in an industrial chemical process was in the manufacture of camphor (Niagara Falls, 1900).

Synthesis of Camphor

The process consisted of a fusion of the oil with oxalic acid to convert the pinene into bornyl oxalate and formate. The esters were saponified to give the secondary alcohol, borneol, and this was oxidised by chromic acid to camphor. The venture failed because of its low yield. But in 1931 a large user of camphor decided to be permanently independent of the Japanese monopoly, and synthetic camphor production was revived. The final conversion step from borneol to camphor was replaced by a process that was a decided technical advance over former methods. The other chemical use for turpentine has been in the manufacture of terpeneol, the process being a two-step synthesis. Pinene is hydrated to terpeneol hydrate, and the hydrate is gently dehydrated so as to stop at the tertiary alcohol. Substantial amounts of terpeneol are still made from turpentine, but a new source of this product was later made available. Pine oil is at present the commercial source of its main constituents. The tertiary alcohols are separated either as α -terpeneol or as mixed α and other terpeneols. It has long been known that the unsaturated character of the terpenes lends itself readily to polymerisation reactions as well as to condensations.

resulting resins have satisfactory initial colour and good colour stability. The benzene nucleus of *p*-cymene was suggestive of so many possible chemical derivatives that the conversion of the terpene hydrocarbons to cymene and its possible recovery in high technical purity at reasonable cost has been thoroughly studied. The conversion of cymene to its monobasic acid, toluic acid, by the oxidation of the isopropyl group is familiar. The dibasic acid, terephthalic acid, involving the oxidation of the *p*-methyl as well as the isopropyl group, is also possible. A new product to be made from cymene is a tertiary alcohol, dimethyltolylcarbinol; it has a high gravity and high index of refraction, and its wetting properties are good. *p*-Methyl- α -methylstyrene, the hydrocarbon produced when the alcohol is dehydrated, is noteworthy for several reasons.

Colourless Co-polymers

The α -substituted styrenes, while not polymerisable alone by means of heat, are readily co-polymerisable with the styrenes in molar proportions or less to yield colourless resins. This property is shared by other polymerisable materials having the diene structure. Methylacetophenone is one of the new terpene chemicals produced; it is widely used as a soap perfume and for other purposes. The ketone may be reduced to a secondary alcohol which, on dehydration, gives *p*-methylstyrene, which has the same polymerising properties as styrene. The production of isoprene from terpenes has been commercialised in a unique process that ensures the maximum yields at all times. A study has also been made of the by-products of the isoprene process. These have been shown to consist of aromatic hydrocarbons of the benzene, toluene, xylene series as well as some terpenes which have escaped the pyrolysis.

WAR TRANSPORT.—Now that this war has got into its stride one's car more and more becomes a receptacle for a diversity of creatures and things. I don't object to the creatures . . . It is the miscellany of inanimate objects liable to be encountered unexpectedly in the back of the car that makes one fear for the shape of things to come. . . . the vast bin containing pregnancy-urine—a valuable source of APL (whatever that may be)—which I salvage for a chemist.—From the "Lancet."

Synthetic Resins

Two types of synthetic resins are being made from terpenes. One is a substituted polymeric body which, on condensation with formaldehyde, gives either thermosetting thermoplastic resins of good melting point and excellent colour stability. The other type is a neutral hydrocarbon resin obtained by catalytic polymerisation. The

MEDICAL ABSTRACTS

U.S. Army Dermatology.—Treatments for dermatological conditions encountered by U.S. army surgeons are suggested by Lehmann ("Journal of American Medical Association," August 29, p. 1469) as follows:

Acute Inflammation: Rest; tops of all pustules manicured away and wet dressings continuously applied are best. Choice of agent optional, one of the following being of value: (1) aluminium acetate solution diluted 10 per cent, applied at room temperature, uncovered to allow evaporation; (2) warm potassium permanganate solution (1:6,000); (3) warm boric acid solution; (4) warm magnesium sulphate solution. Dressing should be taken off daily.

Subacute Inflammation: Strong fungicides contraindicated. Some of the fungistatic agents, such as carbolfuchsin or methylrosaniline can be used. Soaks can be continued each day, followed by dressing with mild antiseptic ointment, such as boric acid, ammoniated mercury, or the methylrosaniline, followed (after it dries) with simple Lassar's paste and a dressing. When skin is repaired, change to active fungicidal agents can be considered. Use of foot powders recommended. Roentgen treatments of value in inflammatory and subacute types of infection.

Skin Ailments in the Royal Navy.—From a survey of 1,498 cases of dermal conditions among naval personnel, Carslaw ("British Medical Journal," October 10, p. 422) showed that the majority are in five groups. Omitting miliaria rubra, which was "almost universal" in the tropics, the remainder were analysed as follows:—

Disease	In-patient %	Out-patient %	Total %
Dermatitis from all causes ..	31.6	30.7	31
Serborrheic dermatitis ..	8.5	8	8
Occupational dermatitis ..	4	7.6	5.5
Dermatitis medicamentosa	3.7	1.5	3
Scabies ..	27	9	18
Impetigo ..	16	4	10
Mycosis ..	8	9	8.4

Pleading for simple and economical treatments, the author states that the following methods were adopted: *Scabies*, benzyl benzoate emulsion or mixture, or sulphur ointment. There were no failures with

benzyl benzoate; four failures with sulphur ointment (out of eighteen cases) were successfully treated with benzyl benzoate. *Impetigo*, sulphanilamide ointment followed by brilliant-green stearate paste. In the tropics, swabbing with lotio hydrargyri perchlor., 1 in 1,500, was substituted followed by application of lotio calaminæ. *Dermatitis*, normally lotio plumbi, ichtol 10 per cent. in water, aqueous gentian violet, or lotio calaminæ with tar. If scabies was considerable, tar 5 per cent. in ointment. *Mycosis*, chrysarobin ointment proved most successful of remedies tried.

Right Use of Quinine.—Describing quinine as a "broken reed" in malaria prevention, Manson-Bahr ("British Medical Journal," October 24, p. 489) admits that it probably modifies the acuteness of malarial attack and thereby the proclivity to blackwater fever, "but when you give soldiers who are operating in open country 5 gr. of quinine a day it has little visible effect in reducing the incidence of malaria." Nevertheless, in the treatment of the actual attack, quinine remains the standard drug. But it is necessary to remember that quinine given in big doses to a patient with a large number of subtertian malarial parasites is likely to precipitate blackwater fever by the sudden dissolution of the parasites, and the patient may die within twenty-four hours. For benign tertian malaria, quinine should be given in doses of 10 gr. three times a day, and the bowels should be kept open. Administration must continue in decreasing doses for about six weeks, though even this continuous therapy will not extirpate the infection from the body entirely; to inject quinine into the musculature to everybody indiscriminately is to ask for trouble. It is now recognised that small amounts of plasmoquine in tablet form—known as plasmoquine compound—are beneficial, each tablet containing $\frac{1}{2}$ gr., with 2 or 3 gr. of quinine. The given as a regular course, has been found by the Army in India to be the best method of treating benign tertian malaria. Plasmoquine and atabrin go badly together, but atabrin and quinine work well in combination.

The Final Effort.—The latest returns salvaged waste paper show a decline in the monthly collection during November. A special appeal is made to make good the deficit during December so that the target for 1942 of 1,000,000 tons may be reached.

TRADE MARKS

(From "The Trade Marks Journal,"
November 18)

"O"; for manures and fertilisers (1). By Ormskirk Fertiliser Co., Moor Street, Ormskirk, Lancashire. 620,570.
"RA"; for vermin destroying preparations (1). By G. Deutsch, 3 St. Mary's Mansions, 1 Mary's Terrace, London, W.2. 619,751.
"GOSY"; for sanitary towels, bandaging materials and disinfectants (5). By Fregalin Co., Ltd., London, N.W.6. 619,872.
"OCREM"; for all goods (5). By B. Laporte, Ltd., Kingsway, Luton. 620,162 (Associated).
"DANTAL"; for pharmaceutical preparations for human and veterinary use (5). By A. G. Sandoz, 60 Fabrikstrasse, Basle, Switzerland. 620,316.
"TAXOL"; for pharmaceutical preparations and substances (5). By Co-operative Wholesale Society, Ltd., 1 Balloon Street, Manchester. 620,346.
"STUM"; for pharmaceutical preparations, infants' and invalids' foods, and dietetic foods (5). By Nestlé's Milk Products, Ltd., 8 Eastcheap, London, E.C.3. 620,421 (Associated).
"KMIN"; for pharmaceutical preparations and substances (5). By Stablon Laboratories, Ltd., also trading as Home Health Services, 128-34 Baker Street, London, W.1. 620,573.
"LWHITE"; for disinfectants and deodorisers (5). By A. J. Woodeson, 414 Walton Road, West Molesey, Surrey. 620,594.
"SILITEX"; for surgical, medical, dental and veterinary apparatus (10). By Lister & Co., Ltd., Manningham Mills, Bradford. 620,669.
"TRA"; in form of cross on square design red, white and silver colouring disclaimed; for surgical articles made of indiarubber (10). By Altra, Ltd., Crown House, Regent Street, London, W.1. 620,456.
"INSULTANT"; for brushes (21). By G. B. Kent & Sons, Ltd., 75 Farringdon Road, London, E.C.1. 620,676.
"IDRIS LEMON SQUASH," "IDRIS ORANGE SQUASH," "IDRIS GRAPE FRUIT SQUASH" and "IDRIS LIME JUICE CORDIAL" each incorporating distinctive fruit device and seal (fruit and seal devices disclaimed); for lemon, orange and grape fruit squashes and lime juice cordial (32). "IDRIS SPARKLING ORANGE," "IDRIS SPARKLING GRAPE FRUIT," "IDRIS SPARKLING LEMON BARLEY WATER," "IDRIS SPARKLING LIME" and "IDRIS SPARKLING LEMON," on design incorporating fruits and barley sheaf (fruit devices and barley sheaf disclaimed); for beverage preparations (32). "IDRIS LEMON BARLEY" on design incorporating lemons, barley sheaf and seal (fruit, barley sheaves and seal devices disclaimed); for preparations for making lemon barley water (32). By Idris, Ltd., 120 Pratt Street, London, N.W.1. 619,514-15-16 (Associated).

(From "The Trade Marks Journal,"
November 25)

"VITAX" and "VITAX" in design form on circle; for manures and fertilisers (1). By Ormskirk Fertiliser Co., Moor Street, Ormskirk, Lancs. 620,325-26 (Associated).
"SLANNSET"; for perfumery and unmedicated toilet preparations (3). By D. McIntosh, 13 South Street, Elgin, Scotland. 620,491.
"CRESTFOAM"; for laundry and cleaning preparations and for soaps and perfumery (3). By Creston Chemical Co., Ltd., 128-30 Oval Road, Croydon, Surrey. 620,756.
"SPRIM"; for ammonia for use as a detergent (3). By British Disinfectant Co., South Grove, South Tottenham, London, N.15. 620,805.
"AFFINEX"; for pharmaceutical substances (5). By Affined Basic Chemicals, Ltd., 42 The Broadway, Ealing, London, W.5. 619,253.
"GESTYL"; for serral gonadotrophin, being hormone preparations for human and veterinary use (5). By Organon Laboratories, Ltd., Brettenham House, Lancaster Place, London, W.C.2. 619,408.
"HIRO"; for medicated preparations for treatment of coughs, colds and sore throats, but not including vaccines (5). By J. Hodgson, 14 High Row, Darlington. 620,079.
"UNICOL"; for pharmaceutical preparations and substances (5). By Unichem, Ltd., 219 Upper Tooting Road, London, S.W.17. 620,095.
"ABRACYL"; for pharmaceutical substances (5). By A. Boake, Roberts & Co., Ltd., 100 Carpenters Road, Stratford, London, E.15. 620,443 (Associated).
"YELSTAN"; for pharmaceutical preparations and substances (5). By Stanley & Co., 16 Canal Walk, Southampton. 620,733.
"SNO-MIST"; for deodorisers (5). By The Phillips & Benjamin Co., 111 West Main Street, Waterbury, Connecticut, U.S.A. 620,775.
"MONOJECT"; for appliances for hypodermic injection, and surgical needles (10). By The Wellcome Foundation, Ltd., 183-93 Euston Road, London, N.W.1. 620,247.
"LASSOTEX"; for pressure sensitive adhesive tape (not for surgical purposes and not an article of stationery) (17). By Herts Pharmaceuticals, Ltd., Bessemer Road, Welwyn Garden City, Herts. 617,219 (Associated).

(From "The Trade Marks Journal,"
December 2)

"PHOBOTEX"; for all goods (1). By Society of Chemical Industry in Basle, 141-227. Klybeckstrasse, Basle, Switzerland. 620,784.
"HUMORESQUE"; for perfumery, non-medicated toilet preparations and cosmetics (3). By R. Desvaux & Co., 413 Fulham Palace Road, London, S.W.6. 620,630.

NUTRITION IN WAR-TIME

by Frank Wokes, Ph.D., B.Sc., F.I.C., Ph.C.

XIII.—Food Policy

IN the preceding articles various suggestions have been made in regard to human nutrition which, as they are applied and developed on a national scale, are producing far-reaching changes in our food and agricultural policies. In this concluding article an outline will be given of the more important of these developments, and an attempt made to indicate the direction they may be expected to take in the not far distant future.

It cannot be too strongly emphasised that any successful food policy must take into consideration conditions not only in this country but also in other parts of the world where dietary deficiencies are already much more severe than any we may have to encounter here. Nutrition experts both in this country and in America are already visualising that the question of food supplies which has been steadily increasing in importance during the war, will, at the cessation of hostilities, prove to be one of the decisive factors in restoring natural conditions throughout the world. Since charity begins at home, let us first consider our own food requirements. It has been shown in these articles that the pre-war diet of a considerable part of our nation was deficient in mineral and vitamin values, and that many of the unemployed did not even obtain enough energy from their food to perform efficiently the work which was offered them. In war-time many of our normal sources of food have been cut off and others severely restricted, yet we are on the whole living more healthily and working more vigorously under conditions of much greater stress. This amazing result, which has upset the calculations of our enemies, is due to the plans carefully made by scientific experts and faithfully carried out by many workers in the wide fields of food agriculture.

Food Plans.—Professor Drummond (scientific adviser to the Ministry of Food) recently gave in an address to pharmacists an outline of these plans. They dealt with two main problems: (1) Determining the national daily requirements of each of the nutrients (i.e. vitamins, minerals, proteins, fats, carbohydrates) as well as the total energy value to be supplied daily by the nation's food; (2) discovering how these were to be provided, by taking into con-

sideration food values, agricultural possibilities and available shipping space. In previous articles the daily requirements of each of these nutrients has been discussed. These vary according to age, and in special conditions such as pregnancy and lactation. Thus in calculating the national daily requirements of vitamin D it was necessary to know what proportion of the nation consists of adults and amongst these the proportion of pregnant and lactating women, also among children the proportions at different ages. In this manner data were obtained for calculating the total daily requirements for the whole nation on each of the nutrients. Armed with these data the scientific experts proceeded to the second and more difficult problem—how to ensure a continuous supply of foods providing the required amounts of all the nutrients, and arrange their distribution throughout the nation in such a manner that all the general and special requirements of different persons were satisfied.

Reductions in Food Imports.—Before the present war two-thirds of the food we ate was imported. Our total annual food imports were, according to Sir John Orr, about 19.7 thousand million tons. Of the about 11 thousand million tons was food for human consumption, and the remainder was for feeding animals. Reductions suggested by Orr and other experts to meet war-time needs were to cut down total food imports by two-thirds, devoting shipping space to wheat, butter and other fats, sugar, dried milk, cheese, dried beans, nuts and dried fruits, roughly in this order. The home production of milk, vegetables and potatoes was to be increased to enable the consumption of milk and vegetables among the whole population to be brought up to the level of consumption of the well-to-do. During the last two years the recommendations of these experts have gradually been brought into effect.

Protein Supplies.—Before the war the average adult person in this country obtained from his food about 3 oz. of protein daily, i.e., 1 oz. from meat, fish or poultry, 1 oz. from cereals (mainly bread), $\frac{1}{2}$ oz. from dairy produce, and $\frac{1}{2}$ oz. from fruit and vegetables. From this 3 oz. of protein daily, more than $\frac{1}{2}$ oz. has been lost by the reduction in supplies of meat and fish, and a further $\frac{1}{4}$ oz. by the shortage

eggs and diversion of milk to children and adults with special needs. Thus there has been a total loss of about $\frac{3}{4}$ oz., representing half the pre-war intake of animal protein. The shortage of meat will certainly continue, and probably will become intensified. Lord Woolton spoke recently of the need to use for military purposes still more of the ships hitherto employed in importing food into this country. His scientific adviser, Professor Drummond, stated on November 12 that each gram of protein which the citizen obtained daily from imported meat necessitated importing something like 80,000 tons of meat a year, which meant a lot of shipping space." For psychological reasons an attempt has been made to maintain a fairly high intake of animal protein, but there is much clear evidence that extremely good alternatives to animal protein exist, especially when a mixture of leaf and cereal proteins is consumed. Among children the extra protein of milk will supply about $\frac{1}{2}$ oz. daily of animal protein, and they should be encouraged to eat dishes made from the fresh and dried eggs now being imported in large amounts. Adults, as was shown in the fourth of these articles, can work efficiently on diets containing only moderate amounts of protein, none of which comes from meat. Physiologically and psychologically, the present-day sausages supply protein mainly from soya beans may easily replace the pre-war article, in which the protein came largely from meat. The problem of protein supplies will not be solved by the coming of peace. Quite apart from starving millions in Europe, it is clear from reports by different experts (e.g. Burnett and Akroyd, 1935) that there will be need for a greatly increased production of food to bring the diets of over a billion Asiatics up to a satisfactory level.

Animal Feeding-stuffs.—In dairy-farming the production of milk and eggs requires supplies of special feeding-stuffs, especially in the winter months, when little fresh grazing is available. In pre-war days these feeding-stuffs consisted mainly of cereals and oil-cake, known collectively as concentrates, by contrast with bulky fodder such as hay. In the present shortage of shipping space it has become necessary to restrict severely the supplies of these concentrates, and to replace them as far as possible with home-grown feeding-stuffs. The best of these is undoubtedly dried grass, which is certain to become more and more important in agriculture. At present the facilities for drying grass, which involve the installation

of fairly expensive equipment, are available only on a few farms, and reliance has to be placed mainly on silage, which can be made with much simpler equipment, though the process is less efficient. The successful employment of dried potatoes to replace cereals in the diet of dairy cattle and poultry is a recent advance to which reference was made in a previous article. Obviously the spread of these new methods is going to produce important changes in our agricultural policy.

Supplies of Vegetables.—Vegetables, obtained largely from gardens and allotments, are being relied upon to provide vitamins A and C (and possibly also vitamin P) which in pre-war diets came mainly from dairy produce and fruit respectively. Mention was made in the seventh article of the findings of Taylor, Drummond and Pyke (from the Ministries of Agriculture and Food) that the vegetables grown in a typical allotment could provide the whole of the vitamin-C requirements, and rather less than half the vitamin-A requirements, of a family of eight throughout the year. The widespread application of dehydration methods, as mentioned in the previous article, will enable the food values of surplus vegetables to be preserved and utilised on a large scale. The dehydrated vegetables now being made have proved both palatable and nutritious, and will be of great use in solving the problem of feeding the famished millions of Europe. Dehydration processes will doubtless be applied with success to other classes of food, such as fruit. Dried eggs and milk have, of course, already established their success.

The policy which food experts are now suggesting is in brief: (1) The levelling out of supplies of essential foods (e.g. milk) so that all classes obtain sufficient amounts; (2) the development of facilities for making dehydrated foods on a very large scale, with careful control of the processes so as to ensure retention of all the food values; (3) the production and storage of great stocks of stable foods, such as cereals and dehydrated foods, which will be made available to the oppressed peoples as soon as they are released from the Nazi and Fascist tyrannies. The success of this policy will depend on sacrifices that all must be prepared to make. We must be willing to forgo luxuries, and to share necessities with others whose need is greater than ours, in order to ensure that the careful plans of our leaders come to fruition, and happiness once more be restored to the whole world.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency.

28 Essex Street, W.C.2, December 16

BUSINESS in drugs and chemicals this week shows signs of the approaching end of the year, the decline in volume being marked. Little of interest is likely to occur until after the annual stocktaking has been carried out. Prices have been subject to only minor adjustments, however, with no significant movements. In the PHARMACEUTICAL CHEMICALS section conditions have remained steady throughout the week. ASPIRIN has again been in good demand. GALLIC ACID is steady at the recent advance. Business in CRUDE DRUGS continues extremely quiet, with stocks of a number of items still further depleted. Only a few minor price changes have occurred. Speculative holders of AGAR appear to be anxious to dispose of their stocks but, as high prices were probably paid for them, buyers are not easy to find; business will be further curtailed by a recent Order affecting gelatin products, including agar products. Curaçao ALOES has again been in good inquiry, but no business seems to have resulted. Supplies of ANTIMONY are available for essential purposes at the last-mentioned prices. CANADA BALSAM is a few pence dearer, and supplies are short. Depleted stocks of BENZOIN are without replenishment, but prices are unchanged. Business in natural grades of CAMPHOR remains slow. Shipment prices of CARDAMOMS are firmer. No interest is being taken in ERGOT. Substantial demand has been received for IPECACUANHA, and the spot price of Matto Grosso shows considerable variation, according to test. Mexican JALAP ROOT is not available. MENTHOL tends to advance. Stocks of Shensi RHUBARB appear to have been cleared. Sarsaparilla, if available, would be in small compass. Inactive markets are reported for SEEDS. Stocks of SENEGA priced at reasonable levels seem to have been cleared. Supplies of SENNA are good, but business has been quiet. Activity in the ESSENTIAL OILS markets has again been on a reduced scale. Prices for most oils are steady at about the levels recorded recently. No change has occurred in the official prices for FIXED OILS. Spot stocks of ANISE (STAR) are difficult to locate, but it may be possible to find a few odd drums

in dealers' hands. English distillers' prices for CLOVE are steady. EUCALYPTUS scarce, but no advance in price has been noted. Demand for Chinese PEPPER has again been good, but prices have advanced considerably, according to holder.

Exchange Rates on London

The principal Bank of England fixed rates are: New York, 4.03 dollars; Montreal, 1.03 dollars; Buenos Aires, 17.02 paper pesos; Dutch West Indies, 7.60 florins; Lissabon, 100 escudos; Stockholm, 16.90 kroner. Madrid rate is unchanged at 40.50 pesetas, the Chinese National dollar continues to worth 3½d.

Pharmaceutical Chemicals

ACETANILIDE.—B.P.C. crystals may be had at 2s. 5d. per lb.; powder, one penny per extra.

ALLOBARBITONE.—Makers' quotations steady at around 60s. per lb.

AMPHETAMINE.—Makers' price remains about 160s. per lb.

ASPIRIN.—Details of makers' prices, which are unchanged, were given last week (p. 61). Demand for both ASPIRIN and ASPIRIN TABLETS is steady.

ATROPINE.—Makers' current prices are follows:—

Compound		oz.	4 oz.	25 oz.
		s. d.	s. d.	s.
Alkaloid, B.P.	35 0	34 6	34
Sulphate, B.P.	28 0	27 6	27
Methyl bromide	65 0	—	—
Methyl nitrate	65 0	—	—

BENZOIC ACID.—Makers can supply for essential pharmaceutical and medicinal purposes at from 2s. 6d. to 3s. per lb., as to quantity.

BORIC ACID.—Makers' prices per ton are as follows: B.P., granulated, £60 15s.; crystals, £61 15s.; powder, £62 15s. Packed in one-cwt. bags, delivered carriage paid Great Britain in one-ton lots and upwards.

BORAX.—Makers' prices per ton are as follows: B.P., granulated, £39 10s.; crystal, £40 10s. powder, £41. Commercial grades, £8 per ton less. Packed in one-cwt. bags, delivered carriage paid in Great Britain, in one-ton lots and upwards.

BROMIDES.—Makers' prices for one-cwt. lot of POTASSIUM are as follows (parcels in brackets): 3s. 0½d. (1-lb.); 2s. 10½d. (4-lb.); 2s. 10½d. (7-lb.); 2s. 10d. (14-lb.); 2s. 9½d. (28-lb.). SODIUM, one penny, and AMMONIUM, threepence per lb. extra; packing extra but returnable.

CITRATES.—Makers' prices for **POTASSIUM**, B.P., are given in table below, and prices of **ODIUM**, B.P., are at one penny lb. below, and **IRON** and **AMMONIUM** (SCALES), B.P., at three-pence per lb. above the tabulated prices:—

Quantity	In containers of				
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
Under 4 lb.	s. d.	s. d.	s. d.	s. d.	s. d.
From 4 lb. . .	3 6	—	—	—	—
From 4 lb. . .	3 5	3 3½	—	—	—
From 7 lb. . .	3 4	3 2½	3 1½	—	—
From 14 lb.	3 3	3 1½	3 0½	3 0½	—
8 lb. to 1 cwt.	3 2	3 0½	2 11½	2 11½	2 11

Prices net. All packages charged extra. It is a condition of sale that buyers shall not re-sell at prices below the values given.

CODEINE.—Makers' prices for 4-oz. quantities are as follows: **ALKALOID**, 38s. 3d. per oz.; **PHOSPHATE**, 31s. 3d. per oz.

ETHERS (METHYLATED).—Makers' prices per lb. for winchester quarts are as follows: 0.750, 1s. 5½d.; 0.735, 1s. 5½d.; 0.730, 1s. 5½d.; 0.725, 1s. 7½d.; 0.725 (triply rectified), 2s. 0½d.; 0.720, 1s. 8½d.; 0.717, 2s. 2½d.; 0.720 (B.P., not for anaesthesia), 1s. 10d.

GALLIC ACID.—Prices remain in the region of 7s. 9d. to 8s. per lb. for moderate quantities.

GLYCERIN.—Small lots are priced as follows: 1-cwt. drum, 86s. per cwt.; 56-lb. tin, 94s.; 14-lb. tin, 100s. per cwt.; subject to discount of 2½ per cent., twenty-eight days.

GUAIACOLS.—CRYSTALS and **CARBONATE** may be obtained at about 13s. to 14s. per lb. Some **LIQUID** is also stated to be available at from 14s. to 15s. per lb.

HEXAMINE.—Free-running, in cwt. lots, about 2s. 3d. per lb.; fine crystals, about 2s.

IODINE PREPARATIONS.—Details of makers' prices were given last week (p. 615).

MAGNESIUM TRISILICATE.—Home market prices are as follows:—

Quantity	In containers of				
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
1 lb. to 4 lb.	s. d.	s. d.	s. d.	s. d.	s. d.
4 lb. to 7 lb.	3 10	—	—	—	—
7 lb. to 14 lb.	3 9	3 7½	—	—	—
14 lb. to 28 lb.	3 8	3 6½	3 5½	3 4½	—
28 lb. to 1 cwt.	3 6	3 4½	3 3½	3 3½	3 3

Prices net one month. Paper parcels of not less than 1 lb. free; other packages extra.

MERCURY IODIDES.—Makers' prices per lb. are steady, as follows: **RED**, less than 7 lb., 20s. 8d.; not less than 7 lb., 20s. 2d.; not less than 14 lb., 19s. 8d. **GREEN**, less than 7 lb., 26s. 8d.; not less than 7 lb., 26s. 2d.; not less than 14 lb., 25s. 8d. **YELLOW**, less than 7 lb., 28s. 1d.; not less than 7 lb., 27s. 7d.; not less than 14 lb., 27s. 1d. net, carriage paid.

METHYL SALICYLATE.—Makers' prices are at the levels recorded last week (p. 615).

PHENOLPHTHALEIN.—Makers' quote as follows: Less than 7 lb., 4s. 6d. per lb.; 7 lb., 4s. 5d.; 14 lb., 4s. 4d.; 28 lb., 4s. 3d.; 1 cwt., 4s. 2d. Prices net.

POTASSIUM PERMANGANATE.—B.P. grade, in one-cwt. lots, is quoted by makers at 1s. 10d. per lb.; three-cwt. quantities are at one-halfpenny per lb. less.

SANTONIN.—Home-trade prices remain unchanged: 15 kilos and over, £46 10s.; not less than 10 kilos, £47 5s.; not less than 5 kilos, £48 5s.; less than 5 kilos, £50 per kilo, delivered free in the U.K.; 1-kilo packages free.

SODIUM SALICYLATE.—Makers' prices are as follows:—

Quantity	In containers of				
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
Under 4 lb.	s. d.	s. d.	s. d.	s. d.	s. d.
From 4 lb. . .	3 3	—	—	—	—
From 4 lb. . .	3 2	3 0½	—	—	—
From 7 lb. . .	3 1	2 11½	2 10½	—	—
From 14 lb.	3 0	2 10½	2 9½	2 9½	—
From 28 lb.	2 11	2 9½	2 8½	2 8½	2 8
From 1 cwt.	2 6	2 4½	2 3½	2 3½	2 3
From 5 cwt.	2 5½	2 3½	2 3½	2 3½	2 2½
1 ton	2 5	2 3½	2 2½	2 2½	2 2

* 8 × 14 lb. and upwards, in one delivery, ½d. per lb. less. Prices include parcels or collapsible cartons; other packages charged extra. Prices subject to buyer's undertaking not to re-sell any quantities at prices or terms below scale current at time of re-sale.

STRYCHNINE SALTS.—Details of makers' current prices were given last week (p. 615).

TANNIC ACID.—Price remains at about 7s. 6d. per lb., with supplies restricted.

TERPINEOL.—For medicinal use, 3s. 6d. to 4s. per lb., according to quantity.

VANILLIN.—Makers' prices are steady, as follows: Ex clove oil or guaiacol, five cwt., 22s. 6d. per lb.; one cwt., 22s. 9d.; 56 lb., 23s.; less than 56 lb., 23s. 3d.; carriage paid in the United Kingdom.

Crude Drugs

AGAR.—There appears to be a tendency amongst speculative spot holders to dispose of stocks, but as up to 70s. per lb. may have been paid for these supplies, buyers are not easy to find. New regulations affecting gelatin products, including products containing agar (*C. & D.*, December 12, p. 594), will result in a decreased demand for the substance, except for the preparation of bacteriological media.

ALOES.—Curaçao has been in good demand, but no business seems to have resulted; the price of 450s. per cwt., c.i.f., appears to be unattractive to buyers. Cape is firm at 65s. to 67s. 6d. per cwt., according to seller and quality.

ANTIMONY.—No changes have occurred during the week. Supplies are available only for essential purposes.

BALSAMS.—*Canada*, in short supply, is quoted rather dearer on spot at 9s. per lb. Other varieties are unchanged as follows: *Tolu*, softish, 9s. 9d. per lb.; *Peru*, 8s. 6d. per lb.; *Copaiba*, B.P., is unobtainable.

BELLADONNA.—Indian leaf, afloat, would fetch 4s. 9d. per lb. Root, in small compass on spot, 470s. per cwt.

BENZOIN.—Demand has been quite moderate, and stocks are becoming slowly depleted. Ordinary grade, spot, £17 to £25 per cwt., according to holder and quality. Sumatra free "almonds" is offered at £32 to £35 per cwt., and Siam at £45.

BISMUTH METAL.—Price remains at 6s. 3d. per lb. for minimum 5-cwt. lots of high-grade material.

BUCHU.—Steady, with limited supplies of fair green rounds quoted on spot at 6s. 3d. per lb.

CAMPHOR.—Unchanged, business in natural grades remaining slow. Prices are as follows: Chinese, B.P., spot, 11s. 6d. per lb.; crude (92 per cent.), 10s.; Japanese slabs, 12s. Supplies of English synthetic, B.P., are understood to be available to approved buyers at 7s. 6d. per lb.

CARDAMOMS.—Conditions remain quiet. Aleppy green, on spot, 5s. 6d. per lb.; shipment, 5s. 6d. per lb., c.i.f. Aleppy seed, on spot, 6s.; shipment, 6s., c.i.f. Spot value of split seed remains at 5s.

CHILLIES.—Steady at the prices last quoted. Zanzibar and Mombasa, spot, 125s. per cwt.; Sierra Leone, 120s., all sellers: Sudan, unquoted.

CLOVES.—Zanzibar is unchanged on spot at 1s. 6d. per lb., value; Madagascar, unquoted.

COCOA BUTTER.—The maximum price fixed by Ministry of Food Order is 1s. 5½d. per lb., ex factory or warehouse, except when sold under licence.

COCONUT (DESICCATED).—The maximum price fixed by the Ministry of Food is unchanged at 49s. per cwt.

DANDELION ROOT.—Indian root, in limited compass on spot, would be worth 140s. per cwt.

DIGITALIS LEAVES.—Unchanged at last-mentioned prices. English leaves, 2s. 4d. per lb.; Portuguese, good-testing leaves, 125s. per cwt., on spot.

DRAGON'S BLOOD.—Stocks of re-boiled are exhausted. Some dull Zanzibar drop may be had on spot at £21 per cwt., and seedy lump at £30.

ERGOT.—In practically no demand, with values unchanged. Spot, old-crop, 5s. to 5s. 3d. per lb.; new-crop, 5s. 6d. to 5s. 9d.; shipment, Portuguese, 5s. per lb., c.i.f.

GALANGAL.—Spot is quoted at 90s. to 95s. per cwt., according to quantity.

GUAIACUM.—Some drossy may be had on spot at 5s. per lb.

GUM ACACIA.—Quiet conditions continue, with no price changes. Kordofan cleaned sorts, spot, 97s. 6d. per cwt.; afloat, 90s., landed terms; shipment, 65s. per cwt., c.i.f. Some

bleached may still be had by consuming manufacturers at 145s. per cwt., ex warehouse London.

HENBANE.—Indian, spot, just under B.P. 3s. to 3s. 3d. per lb.; afloat, f.a.q., 275s. per cwt., c.i.f.

HONEY.—Current prices for first-hand and wholesale transactions were given in the *C. & D.*, May 9, p. 527.

IPECACUANHA.—A fair business has been done during the week. Good-testing Matto Grosso would probably be difficult to find at much under 19s. per lb., and some holders are asking 19s. 3d. to 19s. 6d. Minas, B.P., 14s. 6d. per lb.; just under B.P., 13s. 6d. to 13s. 9d., with a possibility of lower-testing at 13s. Current prices for EXT. IPECAC. LIG., in Winchester quarts, are as follows: B.P., 1932, under three, 26s. per lb.; three and under six, 25s. 6d.; six and under twelve, 25s.; twelve and over, 24s. 6d. per lb. B.P., 1914, under three, 24s. per lb.; three and under six, 23s. 6d.; six and under twelve, 23s.; twelve and over, 22s. 6d. per lb., all prices net.

JABORANDI.—Spot supplies continue to be priced at 60s. per cwt., ex store.

JALAP.—Brazilian root, 13 per cent. resin, 95s. per cwt.; 16 per cent., 105s.; 19.3 per cent., 130s. per cwt., ex warehouse Liverpool. Mexican root is not available.

LIQUORICE ROOT.—Prices of 70s. to 75s. per cwt. are mentioned for East Indian root on spot.

KAMALA.—The spot price is between 2s. and 2s. 3d. per lb. for 6 per cent., according to holder.

MENTHOL.—Inquiry has again been good, and some business has been done. It is doubtful if further spot supplies could be obtained at under 74s. per lb., as 75s. to 76s. is generally being asked. Small lots of Japanese, if available, would fetch 75s. per lb.

MERCURY.—Full particulars of current official prices, which range from £68 10s. to £69 15s. per bottle for quantities over 7 lb., were given in the *C. & D.*, August 1, p. 131.

MYRRH.—A steady demand is being received. Aden sorts, spot, fully £18 per cwt.

NUX VOMICA.—Small business is passing at unchanged rates. Cochín, washed and garbled, spot, 42s. 6d. to 45s. per cwt., according to seller.

ORANGE PEEL.—Both thin-cut and bitter quarters are offered on spot at 3s. 3d. per lb., but supplies are restricted. Sweet ribbon is reported offered at 2s. 9d. per lb. Some dried unripe oranges are available for pharmaceutical purposes at 1s. per lb., ex warehouse London.

PAPAIN.—Spot, 17s. 6d. per lb., nominal.

PEPPERS.—Maximum official price of whole white Muntok, not picked over or cleaned, is 8d. per lb., in bond; whole black Lampung, of similar grade, 5d. per lb., in bond.

PIMENTO.—Sellers on spot offer at 2s. 7d. per lb.; shipment prices are not quoted.

PODOPHYLLUM ROOT.—*Emodi* (15 per cent. basis) is available on spot at 82s. 6d. per cwt.; afloat, 65s. per cwt., c.i.f.

PSYLLIUM SEED.—Indian may be had on spot at 1s. 3d. per lb.

PYRETHRUM.—Distribution and use are controlled under the Control of Pyrethrum (No. 1) Order, 1942, particulars of which were given in the *C. & D.*, October 31, p. 454.

QUILLAIA BARK.—Spot, crushed or cut, 115s. per cwt.; natural, afloat, 80s., c.i.f.

RHUBARB.—A better demand has been received for good-quality rough-round, for which the spot price is now 7s. 6d. to 7s. 9d. per lb. Stocks of Shensi appear to have been cleared.

SAPONIN.—Spot, unchanged at 7s. 6d. per lb., ex store Liverpool; shipment, 6s. 6d. per lb., c.i.f.

SARSAPARILLA.—Native reddish, in small compass on spot, 3s. 3d. to 3s. 4d. per lb.

SEEDS.—Inactive in all sections. **ANISEED.**—No supplies. **CANARY.**—None available. **CARAWAY.**—No supplies. **CORIANDER.**—Indian, 140s. per cwt., sellers; English, quoted at 220s. **CUMIN.**—Malta, 160s.; Indian, 150s. **DILL.**—Spot, quoted at 190s. **FENNEL.**—Indian, 110s., value. **FENUGREEK.**—A few bags at 130s. per cwt. **MUSTARD.**—A table of maximum prices contained in the Mustard Seed (Control and Maximum Prices) Order, 1942, was given in the *C. & D.*, November 28, p. 564.

SENEGAL.—Stocks at reasonable prices seem to have been cleared.

SENNA.—Supplies are quite good, but business is not important. Good hand-picked Tinnevely pods can be bought at from 11d. to 1s. 2d. per lb.; ordinary grade would be at 10d. to 11d.; and f.a.q., 6d. to 7½d. Hand-picked Alexandrian pods, from 3s. 6d. to 6s. per lb., according to quality. Leaves are priced at the following rates: Tinnevely No. 1, 9d. to 10d. per lb.; No. 2, 7d. to 7½d.; No. 3, 5½d. to 6d.; Alexandrian, broken, 1s. 3d. to 1s. 4d. per lb.

SHELLAC.—Inactive, with values unchanged. Spot, standard TN orange, 205s. per cwt., value; pure button, unquoted; fine orange, 240s. to 290s. per cwt. quoted.

SLIPPERY ELM BARK.—Price to users of Lease-Lend material is 1s. 6d. per lb., ex store. Most of it is understood to have been distributed.

SQUILL.—Spot values are as follows: Indian, 75s. per cwt.; Portuguese, 85s.

STRAMONIUM LEAVES.—Indian leaves, in small compass on spot, 105s. per cwt.

STROPHANTHUS.—Spot price of 100 per cent. Kombé seed remains at 10s. 9d. per lb.

TRAGACANTH.—Quiet and unchanged. Current quotations for medium grades are as follows: No. 1, white, £120; No. 2, white, £107; No. 3, white, £95; No. 4, white, £77; pale leaf, £70; amber leaf, £62; red-and-brown leaf, £38; red leaf, from £33; woody and hoggy, from £17, ex store.

TURMERIC.—Unchanged and quiet. Madras finger, sound quality, spot, 62s. 6d. per cwt.; wormy, spot, 62s. 6d.

VALERIAN ROOT.—Indian root, in small compass on spot; 110s. per cwt., ex store.

WAXES.—Quiet. **BEES'.**—Supplies are obtainable by application through members of the Association of Merchant Distributors of Beeswax. **CARNAUBA.**—Quiet conditions obtain; fatty grey, 480s. per cwt.; chalky grey, 465s.; Primeira, 560s.

Essential and Expressed Oils

ANISE (STAR).—Spot supplies are difficult to locate but it may be possible to find a few drums at prices from 54s. to 55s. per lb.

BAY.—Small quantities are available on spot at from 12s. to 13s. per lb.

BERGAMOT.—Business in any remaining supplies of genuine oil would be negotiable on the basis of 100s. per lb. Artificial substitutes from British manufacturers are at lower prices.

BOIS DE ROSE.—Steady on spot at approximately 42s. per lb.

CAJUPUT.—Priced at from 15s. to 16s. per lb., spot, according to quantity.

CAMPHOR (WHITE).—Spot supplies, if any, would be confined to an odd drum or two for which about 600s. per cwt. would be wanted.

CANANGA.—In restricted supply. Spot, between 60s. and 70s. per lb., as to quantity.

CASTOR.—Officially quoted as follows: Firsts, £60; seconds, £58 per ton, both naked ex works.

CEDARWOOD.—Small supplies may be available on spot at about 7s. per lb.

CINNAMON LEAF.—About 15s. to 15s. 6d. per lb. is the spot value of moderate quantities.

CLOVE.—English distillers' prices are steady at about 14s. per lb.

COTTONSEED.—Controlled price is unchanged at £49 per ton, naked ex works.

EUCALYPTUS.—Scarce but unchanged at about 5s. 9d. per lb. for 70 to 75 per cent. oil.

GERANIUM.—About 80s. per lb. would be the basic price of any available supplies, but the precise figure would have to be negotiated.

GINGERGRASS.—Supplies may be had from spot holders at approximately 25s. per lb.

GROUNDNUT.—Official prices range between £48 and £54 per ton, naked ex works, according to grade.

PALMAROSA.—Spot price of small supplies would be in the region of 32s. 6d. to 35s. per lb.

PENNYROYAL.—Good-quality oil would be worth about 35s. per lb. on spot.

PEPPERMINT.—Demand for Chinese has remained good, prices varying between 90s. and 95s. per lb., according to holder.

PETITGRAIN.—Available in small quantities on spot at from 22s. 6d. to 24s. per lb.

ROSEMARY.—The spot value is in the region of 16s. per lb.

SASSAFRAS.—Obtainable on spot at about 19s. per lb., according to quantity.

THYME.—High-quality oil is unchanged on spot at 25s. per lb., but other grades would be cheaper.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Acknowledgment

SIR,—May I crave the indulgence of your columns to thank my numerous friends who have written commiserating with me regarding my unfortunate accident. There are too many letters to answer individually, but I do appreciate the widespread sympathy extended to me and wish to assure all my friends that my injury is mending in a normal manner and that I shall soon have full use of shoulder and arm. In the meantime, these letters have done much to relieve the tedium of my enforced inactivity.

Yours faithfully,

G. A. MALLINSON,
Secretary, National
Pharmaceutical Union.

London, W.C.

Certificated Dispensers

SIR,—War raises many issues and claims. It is the unqualified chemist's assistant who is now agitating for registration. This, I submit, would produce an anomalous condition, for the dispenser of the Society of Apothecaries would probably still be unrecognised by the Pharmaceutical Society. In this connexion I would like to emphasise the fact that qualified dispensers of the Society of Apothecaries have a claim to recognition, not only because they possess their certificate, but also on account of the services rendered, to chemists in filling gaps in their dispensing department during the present crisis. It has been said that it would be a step against the public interest not to recognise the claims of equal rights and privileges for dispensers of the Society of Apothecaries, enjoyed by other qualified members of the dispensing profession. Finally, as a further justification for complete recognition subsection (b) of Section 4 has not been repealed, therefore dispensers of the Society of Apothecaries have a legal right to enjoy the advantages of that Section of the Pharmacy Act. It is to be hoped that the Pharmaceutical Society will, during post-war reconstruction, recognise fully our claims.—Yours faithfully,

GRAHAM BOTT,

Secretary, The Association
of Certificated Dispensers.
London, S.W.4.

MISCELLANEOUS INQUIRIES

Sweetening Solution.—*F. P.*—We have no information regarding the composition or sweetening properties of the product mentioned. We would, however, call your attention to the fact that under the Saccharin Control Order (*C. & D.*, January 10, p. 54) no person is allowed to buy or sell any saccharin or dulcin solution except for pharmaceutical purposes. The manufacturers should be able to inform you whether this restriction applies in the case of the product to which you refer.

Aperient Mineral Waters.—*E. J. P.*—If these are recommended as a cure or relief for human ailments, the formula will have to be disclosed. The sale of an article comprising a substance recommended as a medicine forms the subject of Sections 11 and 12 of the Pharmacy and Medicines Act. The vendor may, therefore, commit an offence of selling and an offence of incorrect labelling. The defence against the former is provided in Section 12, but this, of course, does not relieve the vendor of the necessity of disclosing the formula.

Diathermy Cream.—*J. C. T.*—A preparation for placing on the skin in order to make good contact with the electrodes can be prepared from:—

Sapo animalis ..	4 oz.
Glycerin ..	6 oz.
Ol. limonis ..	1 dr.
Aqua dest. ad. ..	2 lb.

Ol. limonis can, of course, be replaced by some other suitable aromatic oil.

Renewing Lease of Shop.—*J. B.*—You should start negotiations about sixteen months before the date of the expiry of your lease. In any event, do not omit in any circumstances to serve your landlord with notices claiming a new lease and compensation for goodwill respectively. This must be done at least one year and one day before the date of the expiry of your lease. You can use the forms of notice in Sophian's "The Landlord and Tenant Act, 1927." You would be well advised however to consult a solicitor. The rent which the landlord can get under a new lease if granted to you would not exceed the ordinary market rental value of the property, that is to say, what a person would pay just for the premises themselves, without taking into account any increased rental value which had accrued to the premises by reason of the goodwill that you had created and which would be left behind.

1842-1942

To Faraday belongs the credit of discovering the anæsthetic properties of Ether in 1818, but 1942 marks the centenary of the first surgical operation performed under Ether.

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* "Lancet," 1942, p. 301.

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*A recent series of trials carried out under critical
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MANOIDS
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URICURE TABLETS
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We Ship
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entirely new kind of antiseptic ointment. In accordance with latest clinical research. Contains non-irritating antiseptic in a modern emulsified form.

Comparative tests by the U.S.A. 'Agar Plate' method show germicidal qualities far superior to Colic Ointment, Boric Ointment and others,

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White, agreeable to use, soothing. Won't stain linen. Invisible on skin. Recommended for pyogenic infections of the skin—impetigo, barber's rash, etc. For spots, minor cuts and wounds, common skin troubles.

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Purchase Tax 16 2/3% 2½d. each
Price to public including tax 2/0d.

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This wonderful Medical Restorative BRINGS IMMEDIATE RELIEF IN ALL CASES OF NERVE STRAIN, DEPRESSION, TIRED and LISTLESS APPEARANCE, MENTAL and PHYSICAL EXHAUSTION

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Wholesalers in two
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OXO Limited regret

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"LIVEROID."

Due announcement

will be made when

circumstances permit

the resumption of

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Simple and Effective Remedy for

Nasal Congestion

● **KARSODRINE INHALER** immediately relieves nasal congestion. Maximum shrinkage of the mucosa is obtained within five minutes and is more durable than that produced by oily drops. The contained volatile vaso-constrictor follow the natural route of inspired air, and thus penetrates to the ultimate recesses of the naso-pharynx.

No elaborate apparatus is required and the inhaler is made ready for use by the removal of a single cap. It is easily carried in the pocket or handbag.



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Each Karsodrine Inhaler contains:—

Amphetamine 0.330 grm.;
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Citronell. 0.026 grm.;
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grm.; Ol. Cedri. 0.005
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grm.; Ol. Eucalypt.
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Shows You Up To

5/2½d. Per Dozen Profit

even on small quantities when ordered with other "Griffiths Hughes" lines

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**AN ANNOUNCEMENT
CONCERNING**

PEROX-CHLOR
OF IMPORTANCE TO CHEMISTS

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The Purchase Tax on Perox-Chlor has now been reduced to 3½%, and the new retail selling prices are 1/7, 3/10, and 6/4.

M.O.F. A Doctor writes:

During recent years medical scientists have placed increasing emphasis on the importance of diet as a factor in the well-being of the individual. While this principle is capable of general application to the community as a whole, it applies with special force to the expectant and nursing mother and her dietetic requirements have specially attracted the thought of research workers and dietitians. The makers of M.O.F. have made a careful study of the results of these researches, and the manufacture of this food has been so designed as to incorporate many of the elements that modern science has discovered in regard to the vital needs of the pregnant woman and her child.

One of the chief aims in antenatal supervision and care is to maintain the patient's health at as high a level as possible. In this policy nothing is more important than a food such as M.O.F. . . . such a foodstuff can be recommended with every confidence, not only as palatable and easily digestible, but, what is more important, as one which will guard the expectant mother against many of the disorders of pregnancy and lactation and help to ensure the birth of a healthy baby."

Signed M.D., F.R.C.S.E.

RETAIL PRICE

1/9
per 1-lb.
tin

SCOTTS

M.O.F.
MIDLOTHIAN OAT FOOD

**FOR EXPECTANT AND NURSING MOTHERS
WEANING INFANTS AND INVALIDS**

*Specially processed from the finest
Scottish Groats by A. & R. SCOTT LTD.,*

COLINTON, MIDLOTHIAN, SCOTLAND

The Certificate of the Royal Institute of
Public Health and Hygiene has been
awarded in respect of M.O.F.

The Popular PHOSFERINE PRODUCTS

EMERGENCY
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3/3d.



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VICHY WATER



BY APPOINTMENT TO
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The attention of the Medical profession is drawn to the fact that a water approximating closely to the natural water of the Vichy spring is produced in England. The analysis of Burrow's Malvern Vichy is as follows:

Expressed in parts per 100,000

BURROW'S MALVERN-VICHY

Calcium bicarbonate (CaHCO_3)	8.83
Magnesium bicarbonate (MgHCO_3)	8.71
Sodium bicarbonate (NaHCO_3)	437.80
Sodium sulphate (Na_2SO_4)	29.67
Sodium chloride (NaCl)	31.63
Potassium chloride (KCl)	14.32
Iron and Alumina, Silica, etc.	1.05
	532.01

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THERE IS NO SHORTAGE OF ANY OF OUR PREPARATIONS

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		Retail Price	Per unit			Per dozen			
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ANTIPEOL									
MENTMENT	4 oz. tube	6/8½	4/2½	+	8½	50/5	+	8/5	
	40 gr. „	3/4½	2/1½	+	4½	25/3	+	4/3	
	20 gr. „	1/10½	1/2	+	2½	14/-	+	2/4	
QUID	40 c.c. bottle	3/4½	2/1½	+	4½	25/3	+	4/3	
OPHTHALMO-ANTIPEOL									
gr. Nozzled tube		3/4½	2/1½	+	4½	25/3	+	4/3	
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gr. Nozzled tube		2/9½	1/9	+	3½	21/-	+	3/6	
INTEROFAGOS (ORAL AND INJECTABLE)									
Box of 50 ampoules		19/-	13/3½		None	159/7		None	
„ 10 „		4/3	3/-		None	35/8		None	
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ETENSYL									
Box of 500 tablets		39/-	24/-	+	4/-	288/-	+	48/-	
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Box of approx. 2½ ozs.		2/10	1/11	+	4	22/6	+	3/9	
„ „ 1 oz.		1/5	11	+	2	11/3	+	1/11	
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ORDER NOW TO SAVE DISAPPOINTMENT

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A small stock of 1/10 tubes is still available, and customers who prefer this pack should order at once. When this stock is exhausted Razvite will be packed as follows:—

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Trade Prices, 6/6 and 12/- per dozen respectively, plus Purchase Tax.

Immediate delivery can be given to customers

Sole Distributors:

CHEMICAL & NATURAL PRODUCTS LTD.

Wimbledon Factory Estate, Morden Road, London, S.W.19



The CHEMIST AND DRUGGIST

SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

DECEMBER 19
1942

28 ESSEX STREET, LONDON, W.C.2

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17/- per doz. 5½ oz. jars
Retailing 1/9

Carriage Paid on orders of ½ gross
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Clear glass pots, 19/6 doz.;

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GUM ACACIA · Perfume compounds · Stearic Acid · Lanolin · Beeswax · Glycerine Substitute · Talcum Powder · Stearine · Almond Oil · Gum Tragacanth, etc.

Best quality products only from 1 lb. upwards.

Our salesmen can call with samples.

All enquiries welcomed

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2 oz. to 40 oz., with metal screw caps, also corks. Large stocks, prompt delivery. Send stamp for list.

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ALL PHARMACY FITTINGS. New and Secondhand
From the single unit—to the complete Pharmacy
Write, Phone or call

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APPOINTMENTS**ESSEX COUNTY COUNCIL****OLDCHURCH COUNTY HOSPITAL, ROMFORD DISPENSER**

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The appointment will be subject to the Council's Sick Pay Rules and Regulations, copy of which will be forwarded on application, and the successful applicant will be required to pass a medical examination and to contribute to the appropriate Superannuation Fund of the Council.

Further particulars with regard to the appointment may be obtained from Mr. G. E. Pegram, Administrative Offices, Laurie Square, Romford, and applications must be received by him not later than Monday, the 28th December, 1942.

JOHN E. LIGHTBURN,
Clerk of the County Council.

County Hall, Chelmsford.
7th December, 1942.

SITUATIONS OPEN

7/6 for 40 words or less, 2d. for every additional word.

Employment of Women. (Control of Engagement) Ord 1942

With certain exceptions, women over 18 and under 25 years of age seeking Employment and Employers seeking to engage such women are now required to do so only through the local office of the Ministry of Labour and National Service or an approved employment agency.

RETAIL (HOME)

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ASSISTANT (male or female) required. Pharmacy. Dispensing experience essential. Plea state age, experience, and salary required to Manage Pharmacy Department, Ipswich Industrial Co-operative Society, Ltd., Carr Street, Ipswich.

ASSISTANT Dispenser, male or female, county windows, stock. State age, experience, salary. Gwillim, Chemist, Brecon.

COMPETENT Assistant wanted as soon as possible in busy dispensing family type of business. Well up in dispensing. Exempt. Unfurnished accommodation available to married man for the duration. Lady competent in dispensing considered. Please give full particulars of experience, age, height, salary required to Hill & Shaw, 357 High Street, Cheltenham.

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DISPENSER, unqualified, for West London Pharmacy. Over military age. Permanency Locum if desired. Apply "A," 419/414, London Office of this Paper.

GLASGOW. Qualified Manager, either self or Permanency. Particulars of age, experience, and salary. 421/462, London Office of this Paper.

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LADY Assistant required, primarily for Dispensary. Hours 9-6. No Sunday work or half-day duty. Full particulars to B. J. Tammar, 74 Edgware Way, Edgware, Middlesex.

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WHOLESALE

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